

# **PPA END OF YEAR REPORT**

## **FFY2014**



*Photo courtesy of Lonnie Shull, III - Utah Division of Water Quality*

**Utah Department of Environmental Quality  
and  
U.S. Environmental Protection Agency,  
Region VIII**

**December, 2014**

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## **Introduction**

This End of Year Report documents the accomplishments of the Utah Department of Environmental Quality under the FY14 Performance Partnership Agreement and Performance Partnership Grant.

Utah DEQ appreciates the flexibility allowed by the PPA and PPG in meeting critical environmental goals and the burden reduction offered by a single end of year report.

We remain committed to the PPA as “the most effective mechanism through which EPA and states can explain jointly-developed goals and priorities and how they will work together to achieve environmental results.”<sup>1</sup>

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<sup>1</sup> EPA Website, Performance Partnership Agreements at [http://www.epa.gov/ocir/nepps/pp\\_agreements.htm](http://www.epa.gov/ocir/nepps/pp_agreements.htm)

## FY 2014 PPA END OF YEAR REPORT UDEQ DIVISION OF AIR QUALITY

EPA Goal and Objective	EPA Measurement	DEQ Goal	DEQ Measure
Goal 1: Improving Air Quality – Achieve and maintain health-based air pollutant standards and reduce risk from toxic air pollutants and indoor air contaminants	Reduce Criteria Pollutants and Regional Haze	1. Develop and implement appropriate SIPs for all areas of the state.	a. State develops all State Implementation Plan revisions required to meet federal law and submits them to EPA for their review and approval according to the established timeframe. <b>STATUS: The State completed the PM2.5 SIPs required under Subpart 1, and will complete the Subpart 4 SIPs by December. All other outstanding SIP revisions are awaiting the development of EPA guidance.</b>
			b. All measures contained in the SIP approved by the Air Quality Board are fully implemented. <b>STATUS: Utah has implemented all control measures contained in plans submitted to EPA.</b>
		2. Develop and improve appropriate inventories.	a. The Title V inventory is prepared by August 15. <b>STATUS: The Title V inventory was prepared by August 15, 2014.</b>
			b. Required inventory data is entered into the NEI by June 1. <b>STATUS: All of the required inventory data which include point, area, mobile, and non-road inventories are on track to be submitted to the NEI on time by April 2015.</b>
			c. Non-HAP/non-Criteria/non-MACT regulated pollutants are inventoried as required by federal rules. <b>STATUS: Non-HAP/non-Criteria/non-MACT inventories were submitted by August 15, 2014.</b>
			d. The inventories required for the Maintenance Plans and SIPs are developed as required and appropriate technical support for each is submitted to EPA for their review with the applicable plan. <b>STATUS: All Episodic, base-year, and projected-year inventories required for SIP development were developed and documented within the appropriate TSD, taken out for public comment and submitted to EPA with the SIP packages.</b>
		3. Continue to meet federal requirements for PSD increment tracking.	a. Increment consumption for major sources is tracked as permits are issued. <b>STATUS: Class I and Class II increment analyses were completed for all PSD permit applications.</b>

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EPA Goal and Objective	EPA Measurement	DEQ Goal	DEQ Measure
		4. Maintain an adequate ambient air quality monitoring program meeting the requirements of 40 CFR Part 58 to assess public exposure to air pollutants and to establish the attainment status.	<p>a. The annual Monitoring Network Plan is completed and submitted to EPA by July 1. Evaluate monitoring network to reflect recent changes in funding and national monitoring requirements to optimize the network.  <b>STATUS: The annual network plan was completed and made available for public inspection on May 1, 2014. The final document was submitted to EPA on June 231, 2014. EPA has made no comments on the plan.</b></p>
			<p>b. The PM2.5 monitoring network is maintained and operated as appropriate funding is received from EPA.  <b>STATUS: The PM2.5 monitoring network was maintained and operated as funded by EPA.</b></p>
			<p>c. Monitoring data are submitted to EPA 90 days after each quarter.  <b>STATUS: Data are generally submitted to EPA within 90 days after each quarter.</b></p>
			<p>d. Locations for new monitoring sites are based on current emission inventories, air quality modeling and EPA regulation.  <b>STATUS: This is an ongoing standard procedure. All sites are selected using a variety of inputs, including saturation studies, modeling, availability of a suitable site, etc. Based on these procedures, several new sites have been established or are in the process of being established: Smithfield in Cache County; Herriman and Sandy/Midvale in Salt Lake County; Erda in Tooele County,</b></p>
			<p>e. Staff works with EPA to assess the impacts of changes to 40 CFR 58, and continue planning for the implementation of those changes (National Monitoring Strategy/Ncore Monitoring Network).  <b>STATUS: The required NCORE monitoring started January 1, 2011 and continues.</b></p>
			<p>f. The National Air Toxics Trends site in Bountiful is operated in accordance with NATTS QAPP with appropriate updates.  <b>STATUS: The National Air Toxics Trend site in Bountiful is operating. Samples have been collected</b></p>

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EPA Goal and Objective	EPA Measurement	DEQ Goal	DEQ Measure
			<i>and submitted to EPA's contract lab. The data have been reviewed and approved for submittal into EPA's AQS data base.</i>
			<p>g. An appropriate response to each identified NAAQS violation is prepared and submitted to EPA.  <b>STATUS:</b> UDAQ and EPA use the current monitoring data to propose the attainment status for each area in Utah. As monitored exceedances of the NAAQS are identified that are influenced by exceptional events, appropriate data flags are being applied, and supporting documentation submitted to EPA for review and concurrence. As nonattainment areas are identified, appropriate State Implementation Plans are developed to address the issues causing the nonattainment status.</p> <p>h. The annual certification of 2013 data is completed by the May 1, 2014 annual certification date.  <b>STATUS: Certification of 2013 data was completed and submitted to EPA on April 30, 2014.</b></p> <p>i. Participation in the Three-State Air Quality Study continues with two major tasks: 1) review the continued operation of the Price ozone/meteorological site after collecting 3 years of Federal regulatory data based on availability of EPA or BLM funding; and 2) provide staff and other support to the Three-State Data Warehouse and modeling efforts as the project design matures and funding allows.  <b>STATUS: UDAQ continues to operate the Price monitor in support of the Three-State study goals. This monitor is classified as special purpose and all data is submitted to AIRS. UDAQ staff participates on the 3-State Project steering committee and helped develop the study plan. The monitoring portion of the study was completed on December 31, 2013, but the state continues to operate the site and will continue to operate the site as long as Three-State funding is available.</b></p>
			<p>j. Submit AQS data in XML format.  <b>STATUS: Per conversations with Richard Payton, this requirement is no longer in place.</b></p>

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EPA Goal and Objective	EPA Measurement	DEQ Goal	DEQ Measure
		5. Maintain the compliance status of air pollution sources in the state.	a. By November 15, prepare and submit to EPA for review and approval the compliance monitoring strategy incorporating the provisions of EPA's April 25, 2001 Clean Air Act Stationary Source Compliance Monitoring Strategy. <b>STATUS: The Compliance Monitoring Strategy for FFY 2015 will be submitted to USEPA Region VIII on November 12, 2014</b>
			b. Asbestos notification, certification and outreach programs are continued, and at least 120 on-site inspections are performed. <b>STATUS: Asbestos notification, certification and outreach programs were operated and inspections were performed at 243 sites.</b>
			c. The work program for the AHERA Toxic Substances Compliance Monitoring Grant is continued. The AHERA Grant Work Plan approved by EPA Region VIII will be the environmental measure of success for the Utah AHERA Program. <b>STATUS: The AHERA Grant work program was completed and reported in a separate report.</b>
		6. Implement the Operating Permits Program meeting the current requirements of Title V, CAAA 1990, and the Utah Air Conservation Act.	a. An Operating Permits Program is continued as described in program approval from EPA. <b>STATUS: The Operating Permits Program has been implemented as outlined in the program approval from EPA. The Title V Permits have been issued as expeditiously as possible.</b>
			b. The provisions of the Acid Rain Act and 40 CFR Part 72 and Part 76 are implemented. <b>STATUS: The implementation of 40 CFR Parts 72 &amp; 76, and the Acid Rain Act are ongoing.</b>
		7. Continue issuing approval orders for new sources and modifications of the existing approval orders.	a. A demonstration is made that the NAAQS and PSD increment ceilings in Class I and Class II areas are protected. <b>STATUS: Air quality modeling was completed for major and minor source applications according to R307-410-3.</b>
			b. BACT/LAER determinations are either entered into the RACT/BACT/LAER Clearinghouse or the information is

## FY 2014 PPA END OF YEAR REPORT UDEQ DIVISION OF AIR QUALITY

EPA Goal and Objective	EPA Measurement	DEQ Goal	DEQ Measure
		8. Quality Assurance programs are reviewed for effectiveness.	provided to EPA so they can enter the data. <b>STATUS: This is an ongoing process that is performed continually.</b>
			a. Statistical quality standards are met for the collection of ambient air data and emissions inventories prepared by the State. <b>STATUS: On-going – All statistics were collected for site inspections, monitoring, inventory, etc. following the existing QA protocols.</b>
			b. Rules, regulations, procedures, policies, and protocols are complied with. <b>STATUS: UDAQ complies with all rules, regulations, procedures, policies and protocols.</b>
			c. Regulatory activities are documented, including the appropriate technical support. <b>STATUS: All commitments were met or exceeded. Data to verify that commitment were met is in AIRS.</b>
		9. Maintain the small business environmental assistance program (SBEAP) to actively assist small businesses to comply with rules of the Board.	d. The State and EPA agree on the adequacy of air program results. <b>STATUS: UDAQ and EPA Region VIII confer regularly on the results of the air program implementation.</b>
			a. Educational Assistance is offered to all small businesses affected by adopted NSPS and MACT standards. <b>STATUS: Assistance provided as needed and online resources available from DAQ Small Business Environmental Assistance Program website.</b>
			b. As appropriate, the Small Business Compliance Advisory Panel's role is modified to increase the effectiveness of the SBEAP. <b>STATUS: All business sectors are aided. Resources are provided including online compliance assistance calendars available to all dry cleaners to help them comply with the NESHAP requirements.</b>
			c. On-site assistance is provided when requested. <b>STATUS: Assistance is provided to businesses when needed.</b>



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EPA Goal and Objective	EPA Measurement	DEQ Goal	DEQ Measure
			<p>d. The small business work plan for the Small Business Compliance Advisory Panel is modified as appropriate to better meet assistance needs. <b>STATUS: The work plan is modified at each panel meeting.</b></p> <p>e. Assistance tracking is modified as appropriate to better provide and measure assistance needs. <b>STATUS: The SBEAP is reviewing assistance provided and reviewing business needs to provide better quality assistance to the regulated community.</b></p>
		<p>10. Continue to implement R307-204, Smoke Management, the Utah Smoke Management Plan (SMP), and MOU to mitigate smoke impacts from managed natural fires and prescribed fire on visibility, public nuisance, and the health-based NAAQS.</p>	<p>a. Necessary burn approval and denial decisions made by the Smoke Program Coordinator and Executive Secretary are coordinated with partner agencies. <b>STATUS: UDAQ coordinated 79 large burn projects by land management agencies, including 8 by the Park Service, 37 by the Forest Service, 1 by the BLM, 20 by State Forestry, and 3 by the US Fish and Wildlife Service. For large wildland fires, we had a total of 26 in Utah and burned 17,435.1 acres. Forest Service 8 fires for 2,088.1 acres; State 8 fires for 8,626 acres; BLM 10 fires for 6,711 acres.</b></p> <p>b. The rules and SIP are revised as needed to implement revisions to the FLM burn policies and practices, particularly regarding Use of Wildland Fire issues. <b>STATUS: UDAQ gave comments to the FLMs on FLM-proposed revisions to the rules and is waiting for a response from the FLMs.</b></p>
		11. Work with EPA to obtain federal actions on the backlog of State submittals.	<p>a. Appropriate assistance is provided to EPA staff responsible for completing federal action on each submittal to facilitate final EPA action on each. <b>STATUS: The State and EPA have worked together to develop a 3-year plan to eliminate the backlog..</b></p>
		12. Implement designated facility plans, NSPS, NESHAPS, MACTs, CTGs and RACT.	<p>a. MACT Standards that apply to sources in Utah are adopted through rulemaking and implemented through the Operating Permit process as they are developed and promulgated by EPA. <b>STATUS: MACT requirements are included in Title V permits as they are promulgated by EPA.</b></p>

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EPA Goal and Objective	EPA Measurement	DEQ Goal	DEQ Measure
			<p>b. NSPS standards that apply to sources in Utah are adopted through rulemaking and implemented through the permit process as they are developed and promulgated by EPA.</p> <p><b><i>STATUS: New and revised MACT and NSPS standards continue to be adopted in Utah and implemented through the permit process. In March 2014, the Air Quality Board adopted new NSPS standards for the oil and gas sector in R307-210-2.</i></b></p>
			<p>c. Rules implementing specific source RACT are developed and implemented as appropriate.</p> <p><b><i>STATUS: New and revised MACT and NSPS standards continue to be adopted in Utah and implemented through the permit process.</i></b></p>
			<p>d. RACT determinations included in the Ozone Maintenance Plan and PM10 SIP are reviewed and updated as appropriate.</p> <p><b><i>STATUS: The RACT requirements were last reviewed as the 8-Hour Ozone Plan was developed, during which RACT requirements for Hill were clarified, improved, and tied to the federal requirements such as MACT, etc. All other RACT determinations in the ozone plan were reviewed and retained or strengthened. That maintenance plan was submitted to EPA for review and comment, but no federal action has been taken on the plan. RACT requirements in the PM10 SIP are currently being reviewed and updated as part of the PM2.5 SIP development.</i></b></p>
			<p>e. UDAQ staff participates in EPA regional meetings and conference calls which will focus on sharing information and building state capacity to identify, characterize and address air toxics risks in Utah communities based on available resources.</p> <p><b><i>STATUS: DAQ staff have attended conferences and workshops and participated in EPA regional meetings and conference calls to help identify, characterize and address air toxics in Utah communities as funding permits.</i></b></p>

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EPA Goal and Objective	EPA Measurement	DEQ Goal	DEQ Measure
		13. Continue to submit monitoring data to EPA as required by EPA.	<p>a. Quality assured ambient air pollution data is submitted to AIRS no later than 90 days after each calendar quarter. <b>STATUS:</b> <i>Quality assured ambient data were submitted to EPA's AQS within 90 days after each quarter.</i></p> <p>b. Data precision and accuracy assessments are submitted to AIRS no later than 90 days after each calendar quarter. <b>STATUS:</b> <i>Quality-assured P&amp;A data were submitted within 90 days following each quarter.</i></p> <p>c. The database is monitored on an ongoing basis for accuracy and completeness. <b>STATUS:</b> <i>The data base was monitored continuously for accuracy and completeness.</i></p> <p>d. Data summary reports are printed for regulatory and public use as appropriate. <b>STATUS:</b> <i>Data summary reports were prepared and printed for Board, regulatory and public use.</i></p>
		14. Respond to questions from the public regarding air quality issues.	<p>a. Ambient air quality data is provided to the AirNow Program. <b>STATUS:</b> <i>Ambient Air quality data was provided to the AirNow program.</i></p>
		<p>15. a) Work with other state / federal / local agencies to reduce diesel emissions in Utah.</p> <p>15.b.) Work with Cache and Wasatch Front Counties to implement motor vehicle inspection and maintenance (I/M) programs that meet requirements in the Utah SIP.</p> <p>15c. Transportation Conformity – assist Cache, Wasatch Front, and Utah County MPOs with their CAA and 40 CFR 93, Subpart A conformity determinations as per the provisions of Section XII of the Utah SIP.</p>	<p>a. Continue implementing the Utah Clean Diesel Program and apply for additional funding through DERA. <b>STATUS:</b> <i>On-going. DAQ worked with stakeholders to identify potential projects for the Utah Clean Diesel program. DAQ has successfully acquired funds through DERA for the past several years and will continue to build on the success of the current program.</i></p> <p>b. Continue efforts with Davis, Salt Lake, Utah, and Weber counties to implement their respective I/M programs. <b>STATUS:</b> <i>On-going. DAQ provided technical and training support to Bear River Health Dept.'s newly implemented I/M program. DAQ worked with Wasatch Front I/M counties with regulation/ordinance and program updates.</i></p>

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EPA Goal and Objective	EPA Measurement	DEQ Goal	DEQ Measure
			<p>c. Continue to provide consultation and interagency collaboration to assist the Cache MPO, Wasatch Front Regional Council (WFRC), and the Mountainland Association of Governments (MAG) as they develop conformity determinations for their respective Regional Transportation Plans (RTP) and Transportation Improvement Programs (TIP).</p> <p><b>STATUS: On-going. DAQ worked with WFRC, MAG and CMPO to quantify the impact of the newly released MOVES 2014 model on conformity and transportation projects.</b></p>
		16. Reduce Air Toxics	<p>a. MACT Standards that apply to sources in Utah are adopted through rulemaking and implemented through the Operating Permit process as they are developed and promulgated by EPA.</p> <p><b>STATUS: MACT requirements are included in Title V permits as they are promulgated by EPA.</b></p>
			<p>b. UDAQ staff participates in EPA regional meetings and conference calls which will focus on sharing information and building state capacity to identify, characterize and address air toxics risks in Utah communities based on available resources.</p> <p><b>STATUS: DAQ staff have attend conferences and workshops and participated in EPA regional meetings and conference calls to help identify, characterize and address air toxics in Utah communities as funding permits. DAQ has completed an analysis of current air toxics data in Utah, and is beginning a 1-year air toxics study funded by the state legislature.</b></p>
			<p>c. The work to conduct community outreach and analysis concerning air toxics issues is completed based on UDAQ needs and available resources.</p> <p><b>STATUS: Community outreach and air toxics analysis was performed based on community needs.</b></p>
Reduce exposure to lead-based paint.	Reduce exposure to lead-based paint.	17. Protect public health and the environment through implementation of the Utah Lead-Based Paint Certification,	<p>a. The Utah Lead-Based Paint Grant Work Plan approved by EPA Region VIII will be the environmental measure of success for the Utah Lead-Based Paint Certification, Accreditation and Work Practices Program.</p>

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## UDEQ DIVISION OF AIR QUALITY

EPA Goal and Objective	EPA Measurement	DEQ Goal	DEQ Measure
		Accreditation and Work Practices Program.	<p><b><i>STATUS: The Utah Lead-Based Paint Grant work program was completed and reported in a separate report.</i></b></p> <p>b. Support the EPA Strategic Plan goal to reduce the percentage of children with blood lead levels above 5 µg/dl to 1.0 percent or less where the baseline is 3.0 percent in the 2005–2008 sampling period.</p> <p><b><i>STATUS: The Utah Lead-Based Paint Program supported the EPA Strategic Plan goal to eliminate childhood lead poisoning by certifying individuals and firms conducting regulated work activities, performing inspections at structures where regulated abatement work activities were being performed, and performing inspections at renovation firms subject to the Lead-Based Paint Renovation, Repair and Painting rule requirements.</i></b></p>
			<p>c. Support the EPA Strategic Plan goal to reduce by 2014 the percent difference in the geometric mean blood lead level in low-income children 1-5 years old as compared to the geometric mean for non-low-income children 1-5 years old where the baseline is 23.4 percent difference in the 2005–2008 sampling period.</p> <p><b><i>STATUS: The Utah Lead-Based Paint Program supported the EPA Strategic Plan goal to reduce the childhood geometric mean blood level by certifying individuals and firms conducting regulated work activities, performing inspections at structures where regulated abatement work activities were being performed, and performing inspections at renovation firms subject to the Lead-Based Renovation, Repair and Painting rule requirements.</i></b></p>

## **FY 2014 PPA END OF YEAR REPORT UDEQ DIVISION OF AIR QUALITY**

### ***EPA's Portion of the PPA***

1. EPA Region VIII will work with other affected EPA offices when appropriate to consider various approaches to addressing specific issues that impact Utah.
2. EPA Region VIII will participate in UDAQ Board Meetings when specific issues regarding the partnership between EPA Region VIII and UDAQ are part of the agenda and travel funds permit.

### ***Items Related to UDAQ Planning Branch Activities***

1. EPA Region VIII will work with UDAQ as necessary and appropriate when reviewing SIP submittals and initial designation requests as the NAAQS are revised to clarify issues and communicate actions that may affect Utah.
2. EPA Region VIII will work with EPA HQ when appropriate to help elevate issues to the national level that are uniquely western issues.
3. EPA Region VIII will give timely attention to any intermediate work products that are developed in the SIP process so as to provide UDAQ its feedback during project development rather than at the end.
4. EPA will make every effort to determine completeness and to take final action on regulatory actions submitted by Utah in accordance with statutory time frames considering existing resources.
5. EPA Region VIII and UDAQ will work together to prioritize existing SIP submittals and on identifying upcoming SIP revisions. EPA Region VIII will keep UDAQ informed on the status of actions.
6. EPA Region VIII and UDAQ will work together to pursue any feasible early action initiatives for PM<sub>2.5</sub>.
7. Following review of the Federal Annual Air Quality Report, EPA Region VIII and UDAQ will work together to develop appropriate actions addressing each identified NAAQS violation for any criteria pollutant.

### ***Items Related to UDAQ Permitting Branch Activities***

1. EPA will provide review and comments as appropriate for the ITAs within the 30-day public comment period.

### ***Items Related to UDAQ MACT Compliance and Enforcement Activities***

EPA Region VIII, Office of Enforcement, Compliance and Environmental Justice and Utah Division of Air Quality will work to keep each other informed of important and potentially controversial activities involving regulated sources in Utah, including activities involving national and regional initiatives. EPA continues to implement PSD/NSR and MACT national initiatives in the refinery, coal-fired power plant, Portland cement, sulfuric and nitric acid and glass industry sectors; Energy Extraction, a national leak detection and repair (LDAR) and flare initiative; and a regional oil and gas industry sector initiative

## FY 2014 PPA END OF YEAR REPORT UDEQ DIVISION OF DRINKING WATER

EPA Goal & Objective	EPA Measurement	DEQ Goal	DEQ Measure
<u>Strategic Target SDW-211:</u> Percent of the population served by community water systems (CWS) that receive drinking water that meets all applicable health-based drinking water standards through approaches including effective treatment and source water protection.	FY14 National/Regional Target = 92% UDEQ commits to the measures at the regional FY14 targets of the national measures.  UDEQ will maintain its data in the national database, SDWIS-FED. This includes timely data entry, quality assurance, and data validation.	To meet or exceed the target measure of 92% and to upload accurate and timely data to SDWIS-Fed.	92% achieved  Annual enforcement review reveals improvement in violation timeliness and accuracy. Inventory, violation, and enforcement data is uploaded to SDWIS-Fed within 45 days after the end of each quarter. <b>STATUS: 87% achieved</b>
<u>Strategic Target SDW-SP1.N11:</u> Percent of CWS that meets all applicable health-based standards through approaches that include effective treatment and source water protection.	FY14 National/Regional Target = 90% UDEQ commits to the measures at the regional FY14 targets of the national measures.	To meet or exceed the target measure of 90%.	90% achieved <b>STATUS: 92% achieved</b>
<u>Strategic Target SDW-SP2:</u> Percent of “person months” (i.e., all persons served by CWS times 12 months) during which CWS provide drinking water that meets all applicable health-based drinking water standards.	FY14 National/Regional Target = 95% UDEQ commits to the measures at the regional FY14 targets of the national measures.	To meet or exceed the target measure of 95%.	95% achieved <b>STATUS: 99% achieved</b>
<u>SDW-1a:</u> Percent of CWS that have undergone a sanitary survey within the past three years	FY14 Target for Delegated States = 79% EPA will use the SDWIS data reported by UDEQ to measure regional FY14 targets of the national measures.	UDEQ will submit to EPA quarterly SDWIS updates to enable an evaluation of sanitary surveys conducted to meet or exceed the target measure of 79%.	79% achieved <b>STATUS: 99% achieved</b>
Sanitary Surveys Percent of all PWS that have undergone a sanitary survey within the past three years as required under the Groundwater Rule.	UDEQ commits to quarterly providing the SDWIS inventory updates of Groundwater System Sanitary Surveys to Region 8.		<b>STATUS: 94% achieved</b>

## FY 2014 PPA END OF YEAR REPORT UDEQ DIVISION OF DRINKING WATER

<b>EPA Goal &amp; Objective</b>	<b>EPA Measurement</b>	<b>DEQ Goal</b>	<b>DEQ Measure</b>
States are scheduled for data verification audits about every three years.	States slated to have a data verification (DV) audit in FY13 have not been identified. Selected States agree to cooperate with the DV process. Any outstanding issues from the last data verification will be addressed.	UDEQ will cooperate with the DV process if selected.	Cooperation with DV process.
During FY13/14, State will partner with EPA to implement UCMR 3.	State will enter PA outlining partnership roles.	UDEQ shall inform small system of the sampling requirements.	TBD by EPA.



## FY 2014 PPA END OF YEAR REPORT UDEQ DIVISION OF DRINKING WATER

### ENFORCEMENT

EPA Goal & Objective	EPA Measurement	DEQ Goal	DEQ Measure
Goal 5.I Enforcing Environmental Law (Filter/GUI)	<p>UDEQ provides to EPA by 11/15/13:</p> <p>a) a list of all systems that are required to filter under the SWTR, but are not yet filtering. Additionally, report those violations to SDWIS-Fed. For those still on compliance schedules, provide the schedule from the enforcement document. If any systems are not under compliance schedules, for each system provide a rationale and the proposed state action and time frame for securing an enforceable compliance schedule.</p> <p>b) a description of any additional actions and the time frames for completing assessments of groundwater under the influence of surface water (GUI), and the systems for which such assessments need to be completed.</p>	<p>Maintain an accurate list of unfiltered SW/GUI PWSs and a schedule for compliance or and of actions, with timeframes, required for completion or initial GUI assessments.</p> <p>Provide a report to EPA by 11/15/13.</p> <p>Upload all failure to filter violations to SDWIS.</p>	<p>Accuracy of list of SW/GUI unfiltered systems.</p> <p>Completion of GUI assessments. Report provided to EPA by 11/15/13.</p> <p>All current failure to filter violations uploaded to SDWIS by the end of FY2014 and future violations uploaded when they occur.</p> <p><b>STATUS: 100% achieved</b></p>
Goal 5.1 Enforcing Environmental Law (ETT)	<p>a) UDEQ annotates the quarterly ETT list created by the ERP and returns a complete annotated list to EPA within 30 days of receipt. The annotations include the State actions planned for each identified priority ETT system, the projected time frame for such actions, and other relevant information that helps EPA evaluate candidates for federal enforcement.</p> <p>b) UDEQ addresses all priority ETT systems through formal enforcement or appropriate return to compliance within 6 months of their being identified as priorities, with the goal of taking action before systems reach priority status. EPA will take federal enforcement action, as resources allow, if UDEQ does not plan to timely address a priority water system appearing on an ETT list, if UDEQ does not meet its previous commitments to take an enforcement action, or for cases in which PWSs would have been a priority ETT's system if all violations had been uploaded to SDWIS-Fed.</p>	<p>Timely annotate the quarterly ETT list for priority systems.</p> <p>Timely address all priority ETT systems.</p>	<p>Annotations are complete and timely.</p> <p>Priority ETT systems addressed within 6 months of identification.</p> <p><b>STATUS: 84% achieved</b></p>
Goal 5.1 Enforcing Environmental Law (SDWIS-Fed)	Upload inventory information and all violations, enforcement actions, and applicable return to compliance codes into SDWIS-Fed quarterly.	Goal 5.1 Enforcing Environmental Law (SDWIS-Fed)	

## FY 2014 PPA END OF YEAR REPORT UDEQ DIVISION OF DRINKING WATER

EPA Goal & Objective	EPA Measurement	DEQ Goal	DEQ Measure
Goal 5.1 Enforcing Environmental Law (Oversight)	<p>UDEQ tracks the compliance of systems that are under UDEQ enforcement and escalates enforcement when a PWS violates an existing formal enforcement action.</p> <p><i>UDEQ will include all violations in Bilateral Compliance Agreements and other formal enforcement actions.</i></p> <p><i>UDEQ will ensure that timely violation letters are sent to PWSs for each violation incurred.</i></p>	<p>Track compliance of system under UDEQ formal enforcement and take action if a PWS violates its terms.</p> <p><i>Include all violations in formal enforcement actions.</i></p> <p><i>Timely issue violation letters to PWSs for each violation incurred.</i></p>	<p><i>EPA's review of enforcement actions reveal that all violations are contained in UDEQ formal enforcement actions.</i></p> <p><i>File reviews by EPA or its contractor detect very few late or absent violation letters.</i></p>
	UDEQ continues to provide access to State PWS files & data for EPA's on-site enforcement review.	Allow EPA access to UDEQ PWS files and data.	Continue to provide data access to EPA for review. <b>STATUS: Reported regularly. Objective met.</b>
	UDEQ agrees that EPA will use the Uniform Enforcement Oversight System (UEOS) for evaluating the State's enforcement performance.	UEOS evaluation by EPA accepted.	Continue to provide EPA with data necessary to complete the UEOS. <b>STATUS: Reported regularly. Objective met.</b>
Goal 5.1 Enforcing Environmental Law (New rules)	Region 8 does not foresee any new rules for which states do not have primacy in FY2014, which may necessitate federal enforcement actions. However, if the situation exists in which a state does not have primary enforcement authority for any rule, UDEQ will cooperate with EPA in identifying water systems and violations for which EPA may need to issue enforcement actions.	If there are violations of any rule that UDEQ does not have primacy for UDEQ will share information regarding these violations with EPA.	n/a this FY

### Core Activities FY2014

Category	Activity	Responsibility
Philosophy, Culture	Customer Service orientation	All
	Implement DEQ & DDW Operating Principles	All
	Actively seek customer feedback	All
	Maintain good communication with partners and customers	All

## FY 2014 PPA END OF YEAR REPORT UDEQ DIVISION OF DRINKING WATER

	Effective Intersection communication	All
	Effective Interdivision communication	All
	Invite local legislators to DW Board Activities	Division Director
	Division Director will collaborate with DW Board in support of joint goals	Division Director
	Division will actively protect public health through water system compliance	All
	Employee job ownership/job empowerment	All
<i>Staff</i>		
	Ensure staff are technically trained to accomplish mission	All
	Reward and recognize employees for excellent work	All
	Managers have an open door policy (and keep staff issues and conversations private)	All
	Serve on national and state committees	All
	All staff will refer customer questions to the <u>right</u> person (the Division's experts)	All
	All staff will keep In/Out Board current	All
	Ensure cross-training and back-up capability where appropriate	All
<i>IT, Gov e-Business</i>		
	Maintain Division Website	Const. Asst. /All
	SDWIS data reporting	Rules
	Automate water treatment plant report transmission	Rules
	Implement geographic information system (GIS) applications, including support for outside partners and other DEQ Divisions	Admin. Serv.
	Maintain and enhance the divisions databases: SDWIS/SARA/CASPER	Rules/All
	Continue to implement the Department electronic document management system	Admin. Serv./All
	Add and maintain current and accurate data in all of the Divisions databases and all of the contact information including e-mail addresses.	All
	Maintain "Potential construction projects" list on Division webpage	Const. Assist.
	Participate on EPA's SDWIS NEXTGEN project	Director & Rules
<i>Assistance and Training</i>		
	Staff assistance to Drinking Water Board	Division Director/All
	Technical assistance to water operators	All
	General partnering (targeted training, cooperation, follow-up and training)	All
	Educate locally elected officials and their staff	All
	Provide technical assistance on Drinking Water quality problems	All
	Perform Capacity development functions	Const. Assist.

## FY 2014 PPA END OF YEAR REPORT UDEQ DIVISION OF DRINKING WATER

	Provide support for the Permanent Community Impact Board	Const. Assist./ Engineering
	Perform technical assistance to water treatment plants	All
	Perform support to local water treatment alliances	Eva / All
	Support water planning activities in cooperation with other agencies and local government and technical assistance partners, regarding source protection and system viability	All
	Ensure Drinking Water Board members have sufficient training to make policy decisions	All
<i>Field Work</i>		
	Provide training on physical facility capacity and its issues for consultants, district engineers, and others	Const. Assist. / Engineering
	Perform Sanitary Surveys. Respond to water system	All
	Sanitary survey scheduling with consideration for expertise rotation and geographic grouping	Field Services
	Water treatment plant inspections	Const. Asst. / Engineering
	Construction inspections	Const. Assist. / Engineering
	Develop and obtain additional useful spatial data	All
	Special studies on water treatment technologies	Engineering
	Geologic evaluation of sources	Admin. Serv.
	Work on improving communication with ICS members	Field Services
<i>Regulatory</i>	Emergency Response / System Security / Project Funding	Field Services/Const. Assist./ Engineering
	Assist water systems with developing and maintaining Cross Connection Control Programs	Field Services
	Write, Implement and revise rules as needed	All
	Plan review and operating permits	Const. Assist./ Engineering
	Enforcement & compliance by each section on its rules	All
	Enforcement (AOs, BCAs, AG Referrals, Administrative hearings, Administrative Penalties, etc.)	All
	Property follow-up on assignments made at the Division's quarterly CAP meetings	All
	Unified Enforcement Oversight System	Rules
	EPA quarterly reporting	Rules
	Improvement Priority System	All
	Implement appropriate prevention strategies for systems appearing on EPA's ETT List. Document in the Division's enforcement actions in SDWIS.	Rules
	Public Notice	Rules
	Consumer Confidence Reports	Rules
	Report, every three years, on capacity development assistance given to significant non-complying water systems.	Const. Assist.

## FY 2014 PPA END OF YEAR REPORT UDEQ DIVISION OF DRINKING WATER

	Quarterly ETT list annotated and back to EPA within 30 days	Rules
	Copy of EPA with enforcement action	Rules
	Monitoring and MCL Compliance tracking and reporting	Rules
	Grout Witnesses	Const. Assist./Engineering
	Surface Water Treatment Rule tracking and reporting (also UDI)	Rules/Field Services/Engineering
	Source Protection program	Admin. Serv.
	Capacity Development review for new systems	Const. Assist.
	Assure that sampling and reporting is being done in a professional, timely and truthful manner	Rules
	When EPA proposes a rule, we will study the impact, prepare appropriate comments, and encourage the affected PWSs to comment. Finalize each rule by developing an appropriate State Rule, and implement.	All
<i>Certification</i>		
	Backflow Technician Certification	Field Services
	Operator Certification	Field Services.
<i>Financial Assistance</i>		
	Financial Assistance program	Const. Assist.
	Capacity assessments for financial assistance	Const. Assist.
	Annual rate and every 4 year needs surveys	Const, Assist,
	Capture systems with significant physical deficiencies and water quality issues in the IPS/PP	Const. Assist./Rules
<i>Miscellaneous</i>		
	State Health Laboratory Coordination	Field Services
	All other Labs. Coordination	Rules/Field Services
	Support Services (purchasing, contracting, grants, travel, budget preparation budget/expenditure tracking, and financial reporting, cash receipts, fee schedule).	Const. Assist./Engineering
	Respond to GRAMA requests.	All
	Actively seek financial assistance to enable the Division to pursue its mission	Division Director
<i>Succession/ Planning</i>		
	Keep policies and procedures up to date in Edocs	All
	Promote staff back up for all Division functions	All
	Consider mentoring options for retiring managers/staff	Managers

# FY 2014 PPA END OF YEAR REPORT

## UDEQ DIVISION OF ENVIRONMENTAL RESPONSE AND REMEDIATION – CERCLA PROGRAM

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
Goal 3: Cleaning Up Communities and Advancing Sustainable Development  Objectives 3.1 and 3.3 Promote Sustainable and Livable Communities; Restore Land	Clean up Contaminated Land	I. Maintain a partnership between Utah and EPA while implementing the Superfund program in Utah.	a. Participate in the Region 8 State Superfund managers conferences, when conducted. <b>STATUS: DERR participated in Region 8 Superfund managers' meetings in Denver (January 2014) and Spearfish (October 2014).</b>
			b. Encourage and participate in regular coordination meetings with Region 8 remedial program managers, at least every 2 months, to coordinate activities and discuss pertinent issues. <b>STATUS: DERR and EPA Superfund managers held monthly coordination calls to discuss program and site specific issues.</b>
			c. Participate in conference calls between directors of the State and EPA programs, as needed, to coordinate activities and discuss pertinent issues. <b>STATUS: Monthly calls between program directors were not held on a regular basis, but were held as needed.</b>
			d. Jointly organize and attend the annual retreat between EPA and the State, when conducted. <b>STATUS: No retreat was conducted during FY 2014.</b>
		II. Continue to discover and assess contaminated sites in Utah and discuss potential solutions to the problems that are identified.	a. Continue to gather information on known groundwater solvent contamination problems in the Salt Lake Valley and other areas in Utah and update site files as needed. <b>STATUS: DERR continues to gather and assess information on ground water solvent contamination problems in Utah (many are related to historic dry cleaning operations). DERR and EPA Site Assessment program managers held meetings in Salt Lake City and Denver during FY 2014 and coordinated with each other throughout the year, as necessary, to review the status of such sites. DERR also kept state files up-to-date.</b>
			b. Continue discovery efforts for listing new sites on CERCLIS with a focus on the Ogden City area during FY2014.

**FY 2014 PPA END OF YEAR REPORT**  
**UDEQ DIVISION OF ENVIRONMENTAL RESPONSE AND REMEDIATION – CERCLA PROGRAM**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p><b>STATUS: DERR has conducted research and site visits at several Ogden locations and has done a pre-CERCLIS screening on four different sites that EPA has evaluated for potential closure. Additional research is in progress to determine if more sites can be forwarded to EPA for evaluation and subsequent discovery, if warranted. In addition, DERR is working with EPA on a pilot project at a former foundry in Ogden that would involve sampling and a pre-CERCLIS worksheet.</b></p>
			<p>c. Determine the best ways to address the problems that are identified.  <b>STATUS: Solutions are identified on a site-by-site basis and in consultation between DERR and EPA Region 8 staff.</b></p>
		III. Apply the Operating Principles in all work activities.	<p>a. Discuss the Operating Principles frequently during coordination meetings.  <b>STATUS: The Operating Principles were addressed during DERR/EPA coordination meetings in the context of project planning and implementation.</b></p>
			<p>b. Ensure all communications are consistent with the Operating Principles.  <b>STATUS: DERR regularly conducted communications consistent with the Operating Principles.</b></p>
		IV. Coordinate proposal of Utah sites to the NPL.	<p>a. Regularly discuss the status of sites that are under consideration for inclusion on the NPL.  <b>STATUS: DERR and EPA regularly discussed sites under consideration for NPL inclusion.</b></p>
			<p>b. Evaluate potential NPL sites during coordination meetings.  <b>STATUS: Coordination meetings were held, as needed, to evaluate potential NPL-candidate sites.</b></p>
			<p>c. Ensure thorough and comprehensive communication between the agencies for all sites that are under consideration for inclusion on the NPL.  <b>STATUS: Communications regarding sites under consideration for the NPL were often thorough and comprehensive during FY 2014. DERR, EPA and Salt</b></p>

**FY 2014 PPA END OF YEAR REPORT**  
**UDEQ DIVISION OF ENVIRONMENTAL RESPONSE AND REMEDIATION – CERCLA PROGRAM**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p><b><i>Lake City communicated frequently on the Sugarhouse Park Plume, 2100 East 2100 South, and Trailside Cleaners sites. NPL designation is one of the options under consideration to address these “sister sites”.</i></b></p>
	Assess and Cleanup Brownfields; Clean up Contaminated Land	V. Encourage redevelopment of Superfund and Brownfields sites in Utah.	<p>a. Comply with the EPA-approved State and Tribal Response Program Work Plan. Key tasks in the work plan include encouraging communities in Utah to participate in the Brownfields program; conducting Targeted Brownfields Assessments as requested by interested and eligible communities; issuing letters of support to communities applying for Assessment, Revolving Loan Fund and Cleanup Grants; providing technical assistance to public and private stakeholders relative to Brownfields redevelopment; and maintaining a complete public record of Brownfields/VCP sites with easy access to information.  <b><i>STATUS: DERR complied with the EPA approved State and Tribal Response Program Workplan. DERR conducted outreach activities directly to local governments in order to inform them of resources and services available to assist with Brownfields assessment, cleanup and redevelopment. Outreach was completed in part through the semi-annual DERR Brownfields newsletter, a Brownfields redevelopment workshop, individual meetings with several communities and a presentation at the League of Cities and Towns annual conference. The DERR provided technical assistance to public and private stakeholders, conducted pre-application meetings to inform parties of the Voluntary Cleanup Program (VCP) and Enforceable Written Assurance (EWA) process and maintained a complete public record, with project information available through the DERR’s web page and Interactive Map. DERR issued a Support Letter to Orem City in September 2014 for an Area-Wide Planning grant and initiated a Targeted Brownfields Assessment for the Town of Manila.</i></b></p> <p>b. Participate in quarterly Region 8 Brownfields Team teleconferences and meetings, and attend the National and</p>



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**UDEQ DIVISION OF ENVIRONMENTAL RESPONSE AND REMEDIATION – CERCLA PROGRAM**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p>Western Regional Brownfields Conferences when conducted and as budgets allow.  <b>STATUS: The DERR participated in quarterly Region 8 Brownfields team calls. There were no national or regional Brownfields Conferences offered in FY 2014.</b></p>
			<p>c. Issue Certificates of Completion under the VCP.  <b>STATUS: The DERR received six VCP applications and issued four Certificates of Completion in FY 2014.</b></p>
			<p>d. Issue Enforceable Written Assurances to qualified applicants.  <b>STATUS: The DERR received seven EWA applications and issued five EWAs in FY 2014.</b></p>
			<p>e. Coordinate with EPA on Ready for Reuse Determinations for Superfund sites.  <b>STATUS: DERR coordinated regularly with EPA to discuss sites ready for reuse. The Davenport &amp; Flagstaff Smelters site received the site-wide ready for anticipated use designation in September 2014.</b></p>
	Cleanup Contaminated Land	<p>VI. Enhance the Utah Superfund Program, improve the State's and EPA's ability to conduct Superfund activities in Utah, and complete the EPA required accomplishments for FY2014.</p>	<p>a. Prepare and submit funding applications and subsequent cooperative agreements for enhancement of the State Response Program.  <b>STATUS: In FY 2014 DERR began to receive funding under the new Superfund Block grant for management assistance, Superfund core, and site assessment activities. Cooperative agreement applications for State-lead Superfund projects were submitted, as needed, to support site-specific activities. DERR also submitted a request in 2014 for State and Tribal Response Program 128(a) funding through September 2015. Required reports were submitted to EPA for cooperative agreement funding.</b></p> <p>b. Continue to develop and enhance the Utah Voluntary Cleanup Program and other State Response Programs.  <b>STATUS: The DERR continued to develop and enhance the VCP and other components of its State and Tribal Response Program using Section 128(a) funding. All activities were consistent with the State and Tribal</b></p>

**FY 2014 PPA END OF YEAR REPORT**  
**UDEQ DIVISION OF ENVIRONMENTAL RESPONSE AND REMEDIATION – CERCLA PROGRAM**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p><i>Response Program Workplan and documented in semi-annual reports submitted to EPA. The DERR issued four Certificates of Completion (COCs) under the VCP and oversaw cleanup work at three additional sites. In addition, redevelopment efforts were initiated at three sites as a result of DERR technical assistance and/or a COC, EWA or administrative No Further Action letter.</i></p>
			<p>c. Jointly develop and work to achieve the FY2014 planned Superfund remedial accomplishments.  <b>STATUS: DERR and EPA Region 8 staff worked closely to achieve the planned accomplishments for the year.</b></p>

**FY 2014 PPA END OF YEAR REPORT  
UDEQ DIVISION OF RADIATION CONTROL – INDOOR RADON PROGRAM**

EPA Goal and Objective	EPA Measurement	DEQ Goal	DEQ Measure
Goal 1: Improve Air Quality	Reduce Exposure to Indoor Air Pollution	Continue the fundamental activities regarding the EPA Radon Grant. <b>Note: Activities are contingent on EPA SIRG funding.</b>	1. <b>Promote new home construction with radon resistant technology.</b>
			<p>a. Promote and distribute information about radon resistant building technology to builders throughout the state. Display radon information and distribute discounted test kit coupons at exhibitor booths.</p> <p><b>STATUS – Accomplished: The Division of Radiation Control (DRC) educated builders and the public about Radon Resistant New Construction and what radon is and how to test for it at the following events: (1) Kids Think Safety Fair, (2) University of Utah Be Health Utah Fair – 10,000 people attended, (3) Huntsman Cancer Expo Fair (4) Taught one class at Weber State and three classes at the University of Utah on Radon (5) Taught four AP Environmental Science Classes to local High-schools (6) Taught two community classes in Davis County, (7) Presented in River Heights – 60 people attended. (Note: DRC chose not to participate in costly home shows in 2014 because of low funds). Planning on participating in January 2015.</b></p>
			<p>b. Conduct at least three educational training courses entitled, “Radon Resistant New Construction.” The course will offer continuing education core credits by the Utah Department of Commerce, Division of Occupation and Professional Licensing (DOPL) and will be held throughout various areas of the state.</p> <p><b>STATUS – Accomplished. RRNC classes were taught in Davis County.</b></p>
			<p>c. Promote Radon Resistant New Construction by reaching out to Utah home builders through personal contacts, educational courses, advertising, and health exhibits.</p> <p><b>STATUS – Accomplished. Two RRNC classes were taught to builders throughout Davis County. Utah County</b></p>

**FY 2014 PPA END OF YEAR REPORT  
UDEQ DIVISION OF RADIATION CONTROL – INDOOR RADON PROGRAM**

EPA Goal and Objective	EPA Measurement	DEQ Goal	DEQ Measure
			<p><b>– Knight West builds only RRNC homes. DRC works with them.</b></p>
			<p>d. Assist Utah Habitat for Humanity in its building projects by providing educational training.  <b>STATUS – Accomplished – DRC provided support to Habitat for Humanity in Salt Lake County and Utah County. Also, working with Green and Healthy Homes, Assist, other low income housing providers.</b></p>
			<p>e. Recognize and acknowledge home builders who are building RRNC homes in Utah via the DRC website, public events, and/or at Radiation Control Board meetings.  <b>STATUS – Accomplished. DRC continues to promote certification and has a video for builders to view. Within the past year Davis County School District only builds school with RRNC.</b></p>
			<p>f. Respond to opportunities to attend national and international radon meetings provided by national radon organizations such as the American Association of Radon Scientists and Technologists (AARST) and the Conference for Radiation Control Program Directors (CRCPD).  <b>STATUS – Accomplished. DRC participated and presented at 2014 national Radon Conference sponsored by CRCPD and AARST in September. Attended the EPA Region 8 Conference in April in Colorado.</b></p>
			<p><b>2. Support disclosure, testing and mitigation in conjunction with Real Estate transfers.</b></p> <p>a. Conduct at least five educational training courses entitled, “Radon for the Real Estate Professional.” The courses will offer continuing education core credits by the Utah Department of Commerce, Division of Real Estate (DRE) and will be held throughout various areas of the state.  <b>STATUS – Accomplished. DRC instructed seven educational training courses (28 approx. 150 realtors).</b></p>

**FY 2014 PPA END OF YEAR REPORT  
UDEQ DIVISION OF RADIATION CONTROL – INDOOR RADON PROGRAM**

EPA Goal and Objective	EPA Measurement	DEQ Goal	DEQ Measure
			<p>b. Coordinate annual meetings for certified radon mitigators, measurement providers, and home inspectors to clarify EPA standards and protocols. <b><i>STATUS – Accomplished. DRC held quarterly meeting for AARST/CRCPD certified mitigators .</i></b></p>
			<p>c. Recognize and acknowledge Realtors who are radon educated on the DRC website. <b><i>STATUS – Accomplished. Approximately 500 Radon educated Realtors are on DRC’s Website. Updated periodically.</i></b></p>
			<p><b>3. Develop coalitions with local governments, partner affiliates and other radon risk reduction leaders.</b></p>
			<p>a. Continue working with Utah’s 12 local Health Districts in promoting public outreach. Encourage area outreach activities such as disseminating information packets on radon, distributing radon test kit coupons, and conducting radon educational presentations, and testing radon levels in schools. <b><i>STATUS – Accomplished. DRC works closely with the 12 local health districts and was able to give some EPA pass-through funds to 10 local health districts. We have quarterly meetings. Have tested one school in Ogden. All schools in Davis County have been tested for Radon. Two schools in Davis County were mitigated. Also support them in outreach with: Radon Poster Contest, radio/tv interviews, and school testing.</i></b></p>
			<p>b. Continue working with the Huntsman Cancer Institute in raising awareness in the state. Outreach activities will include attending the 2014 University Health Care “Be Well Utah Family Health Fair.” <b><i>STATUS – Accomplished. DRC has worked closely with Huntsman Cancer Institute (Dr. Akerley), participated in the Huntsman Cancer Expo and 2014 University Health Care Be Well Utah Family Fair.</i></b></p>
			<p>c. Conduct outreach activities with the Utah Department of Health, Utah Cancer Action Network (UCAN), CanSAR, Utah Radon Coalition (URC), Utah Builders</p>

**FY 2014 PPA END OF YEAR REPORT  
UDEQ DIVISION OF RADIATION CONTROL – INDOOR RADON PROGRAM**

EPA Goal and Objective	EPA Measurement	DEQ Goal	DEQ Measure
			<p>Association (UBA), Utah Association of Realtors (UAR), and the Utah Lung Association (ULA) to promote radon awareness, testing, mitigation, and legislation.</p> <p><b><i>STATUS – Accomplished. DRC was actively involved with the state’s cancer control plan, worked closely with UDOH on \$25,000 legislative money.</i></b></p>
			<p>d. Provide assistance when requested by tribal organizations throughout Utah (specifically, the Piute tribe and the Shoshone tribe).</p> <p><b><i>STATUS – Accomplished. No additional information.</i></b></p>
			<p>e. Continue partnership with Intermountain Health Care (IHC) system by supplying hospitals with newborn radon packet information, which started December 2003 (FY04)</p> <p><b><i>STATUS – Accomplished. Have added 11 hospitals to our list of participating hospitals. Approx. 10,000 free new-baby radon test kit coupons were disseminated and 210 radon test kits were requested and mailed out.</i></b></p>
			<p>f. Develop coalition with the Green and Healthy Homes Initiative (GHHI) Salt Lake Coalition to do radon testing in schools throughout Salt Lake County.</p> <p><b><i>STATUS – Accomplished. Two coalitions were created by radon advocates: The Utah Radon Coalition and the Utah Radon Policy Coalition were created to promote radon awareness and testing in conjunction with new radon legislation passed this year.</i></b></p>
			<p>g. Provide radon education to the public through the National Radon Poster Contest, National Radon Action Month activities, DRC website, press releases, media appearances and advertisements, Governor’s Declaration, school science projects, and scout eagle projects.</p> <p><b><i>STATUS – Accomplished. DRC participated in the 2014 national Radon Poster Contest and collected over 70 posters. Poster winners were honored during the NRAM by the Governor, he also signed a Declaration for Radon</i></b></p>

**FY 2014 PPA END OF YEAR REPORT  
UDEQ DIVISION OF RADIATION CONTROL – INDOOR RADON PROGRAM**

EPA Goal and Objective	EPA Measurement	DEQ Goal	DEQ Measure
			<p><b><i>Action Month. DRC participated in teaching science classes about radon and encouraged eagle scout projects.</i></b></p>
			<p>h. Promote state radon legislation as opportunities arise.</p>
			<p><b>4. Determine (track) and measure results with respect to awareness levels, testing frequency, mitigation, and radon resistant new construction.</b></p>
			<p>a. Continue to track local and national media articles about radon and the health hazard associated with exposure to elevated levels. <b><i>STATUS – Accomplished.</i></b></p>
			<p>b. Continue to track educational opportunities to reach out to the general public, real estate professional, and homebuilders (see measures 1-2).  <b><i>STATUS – Accomplished. Number of people reached through educational opportunities exceeds 5000.</i></b></p>
			<p>b. Continue to track phone calls, visits on the DEQ Radon website (www.radon.utah.gov ), and email inquiries. <b><i>STATUS – Accomplished. Number of Phone calls received was approximately 2,500, number of e-mails 1000, and number of website hits was 30,000.</i></b></p>
			<p>c. Continue to track and report the number of homes tested for radon by currently listed radon measurement service providers, mitigation providers, and laboratories. <b><i>STATUS – Accomplished. Number of homes tested was approximately 8,000.</i></b></p>
			<p>d. Continue to track and provide annual reports of the number of homes built with RRNC, based on information provided by local home builders. <b><i>STATUS – Accomplished. Number of homes built with RRNC was approx. 400.</i></b></p>
			<p>e. Continue to track free radon test kit orders that come through the IHC newborn radon packets. <b><i>STATUS – Accomplished. Approximately 210 test kits</i></b></p>

**FY 2014 PPA END OF YEAR REPORT  
UDEQ DIVISION OF RADIATION CONTROL – INDOOR RADON PROGRAM**

EPA Goal and Objective	EPA Measurement	DEQ Goal	DEQ Measure
			<i>were analyzed through the IHC newborn Radon program. DRC tracks which hospital the request for the test kit comes from.</i>
			f. Continue to track the number of homes mitigated quarterly by radon mitigation service providers. <b>STATUS – Accomplished. Number of homes mitigated was approximately 1500 homes.</b>
			<b>5. Testing and, where necessary, mitigating schools for radon and radon decay progeny.</b>
			a. Educate School District Administrators about the health hazard associated with exposure to radon and promote radon testing in schools. <b>STATUS – Accomplished. DRC tested one school in Ogden with assistance from the Weber-Morgan Health District. Davis County continues to test all of the schools, mitigate if necessary and build with RRNC. Canyons School Districts tests their schools every year for Radon and mitigates if necessary. Over 20 schools were visited and educated about Radon and encouraged to participate in the Radon Poster contest.</b>
			b. Provide discounted radon test kits to school districts for testing, as requested. <b>STATUS – Accomplished. Several Local Health Departments have contacted schools about testing and have requested help from DRC. DRC also participates with the testing of the schools with their continuous radon monitor.</b>
			c. Continue assisting school districts with education and radon testing programs. <b>STATUS – Accomplished.</b>
			d. Solicit school districts to participate in National sponsored “Radon in Schools” Webinars. <b>STATUS – No information on Webinars being taught for schools.</b>



## FY2014 PPA GOALS AND OBJECTIVES UDEQ DIVISION OF SOLID AND HAZARDOUS WASTE

### I. ENVIRONMENT

Mission- Protect human health and the environment by promoting pollution prevention (P2) and ensuring safe waste management through the proper handling, transportation, recycling, treatment, storage and disposal of solid and hazardous wastes, used oil, and waste tires.

EPA Strategic Goal and Objective		EPA Strategic Measurement	DSHW Goal	DSHW Measure
GOAL 3: Cleaning up Communities and Advancing Sustainable Development.	Objective 4.2: Promote Pollution Prevention.	By 2015, reduce 15 billion pounds of hazardous materials cumulatively through pollution prevention.	Waste Minimization – Implement and support waste minimization and pollution prevention.	<p>a. Identify and evaluate supplemental environmental projects that are a part of a compliance action to determine their contribution to waste minimization and pollution prevention. Supplemental environmental projects contributing to waste minimization/pollution prevention will be reported to EPA.</p> <p>i. Conduct on-site visits to SQGs to provide updated information on waste minimization programs and opportunities as well as compliance assistance.</p> <p><b><i>STATUS: The Division completed 53 site visits, and provided information and compliance assistance at each visit.</i></b></p>
				<p>b. Continue Division pollution prevention policy implementation. Provide pollution prevention information and technical assistance to staff and businesses that generate hazardous waste.</p> <p><b><i>STATUS: The Division continued its commitment to a high level of activity for Pollution Prevention and Hazardous Waste Minimization, particularly with its programs for recycling waste tires, mercury switches, electronic waste and used oil. In the areas of Safe Waste Management and Corrective Action, the Division continued to make progress toward national program goals.</i></b></p>
				<p>c. Continue working with EPA hazardous waste minimization programs to assure that P2 resources are leveraged as appropriate to meet common goals. EPA and the Division will look for opportunities to reflect how state actions support national goals. Review, comment on, and utilize state hazardous waste generation profiles prepared by EPA to</p>

**FY2014 PPA GOALS AND OBJECTIVES  
UDEQ DIVISION OF SOLID AND HAZARDOUS WASTE**

EPA Strategic Goal and Objective		EPA Strategic Measurement	DSHW Goal	DSHW Measure
				<p>increase waste minimization and P2 efforts and successes and to meet other specific state needs. Identify opportunities to link waste minimization efforts to reductions in EPA's priority chemicals in RCRA waste streams generated within the state.</p> <p><b>STATUS: The Division provided oversight of the Southern Utah Recycling Coalition grant. The Division accompanied EPA on inspections of priority chemicals and national initiatives.</b></p>
				<p>d. Administer an effective used oil recycling program.</p> <p>i. Track and evaluate the amount of used oil collected for recycling, particularly used oil collected from Do-it-yourselfers (DIYers).</p> <p><b>STATUS: Over 12 million gallons of used oil were collected and recycled from Jan-2013 through December 2013.</b></p> <p>ii. Review and process semiannual DIYer reimbursements within established timeframes.</p> <p><b>STATUS: All reimbursements were processed in the established timeframes</b></p> <p>iii. Support and help to maintain a sufficient number DIYer collection centers to make it convenient for the public to recycle their used oil.</p> <p><b>STATUS: There are 407 used oil collection centers currently operating in Utah.</b></p> <p>iv. Provide current listing of collection centers via the Division Web site.</p> <p><b>STATUS: The web pages for Used Oil are updated on a regular basis.</b></p> <p>v. Document the number of new collection centers established during the fiscal year.</p> <p><b>STATUS: There were seven new collection centers established from 9/1/13 to 8/30/14.</b></p>

**FY2014 PPA GOALS AND OBJECTIVES  
UDEQ DIVISION OF SOLID AND HAZARDOUS WASTE**

EPA Strategic Goal and Objective		EPA Strategic Measurement	DSHW Goal	DSHW Measure
				<p>vi. Maintain an effective Used Oil Block Grant Program to promote the recycling of used oil.</p> <p>A. Document the amount of funds awarded.</p> <p><b>STATUS: There were multiple grants awarded totaling \$7,960.00.</b></p>
				<p>e. Other recycling programs</p> <p>i. Participate in EPA Region 8's Western Region Electronics Stewardship Steering Committee activities.</p> <p><b>STATUS: The Steering Committee is no longer active.</b></p> <p>ii. Continue to compile program information on recycling activities of cities and counties in Utah.</p> <p><b>STATUS: There is no regulatory mechanism to collect the data.</b></p> <p>iii. Continue membership and participation in the Product Stewardship Institute conference calls and meeting as budget allows.</p> <p><b>STATUS: The Division's budget does not allow for membership.</b></p>
				<p>f. Identify and evaluate supplemental environmental projects that are a part of a compliance action to determine their contribution to waste minimization and pollution prevention. Supplemental environmental projects contributing to waste minimization/pollution prevention will be reported to EPA.</p> <p><b>STATUS: Based on our agreement with Region 8 to report Stipulation and Consent Orders which began public comment during the reporting year, the following SEPs were agreed to. Hill Air Force Base had a SEP valued at \$130,000.00 for the installation of a new parts washer that eliminated the use of organic solvents. Hill Air Force Base conducted a base-wide household hazardous waste</b></p>

**FY2014 PPA GOALS AND OBJECTIVES  
UDEQ DIVISION OF SOLID AND HAZARDOUS WASTE**

<b>EPA Strategic Goal and Objective</b>		<b>EPA Strategic Measurement</b>	<b>DSHW Goal</b>	<b>DSHW Measure</b>
				<i>collection day for personnel that lived on the base at a value of \$5,700.00. Clean Harbors Clive provided \$15,000.00 as a SEP to the Western States Project to help with training and conferences for States. Clean Harbors Aragonite provided \$20,000.00 to Western States Project and \$20,000.00 to the Association of State and Territorial Solid Waste Officials to help with training and conferences for States.</i>
GOAL 3: Cleaning up Communities and Advancing Sustainable Development	Objective 3.2: Preserve Land. Conserve resources and prevent land contamination by reducing waste generation, increasing recycling, and ensuring proper management of waste and petroleum products.	Minimize Releases of Hazardous Waste and Petroleum Products	Permits, Closure, and Post-Closure-	a. Maintain effective hazardous waste permitting and closure/post closure programs. <b><i>STATUS: The Division maintains an effective permitting and closure/post closure program by having an experienced and qualified staff completing the required work assignments. See attached "Resources and Skill Levels" and "Training" documents.</i></b>
				b. Maintain accurate information of the hazardous waste universe and status of hazardous waste facilities subject to closure requirements, post-closure permits, and operating permits. Provide the preceding information through automated data systems (RCRAInfo) for all required data elements by the 20th of the month following the activity. <b><i>STATUS: Information is entered as required.</i></b>
				c. Provide appropriate hazardous waste closure/post-closure and permit response as dictated by case-by-case specifics, regulatory/statutory requirements, permit conditions, and program priorities. Appropriate responses may include, but are not limited to; closure plan approvals (RCRAInfo data element CL360), closure verifications (CL380), final post-closure permit determinations/issuances (PC200), and final operating permit determinations (OP200). Permit modifications (PC240) are as equally important as the preceding activities because they generally reflect upgrading or updating permit conditions resulting in operational improvements for permitted TSDFs in managing hazardous waste. <b><i>STATUS: The Division completed 18 class 1 permit modifications, four class 2 permit modifications, one class</i></b>

**FY2014 PPA GOALS AND OBJECTIVES**  
**UDEQ DIVISION OF SOLID AND HAZARDOUS WASTE**

EPA Strategic Goal and Objective		EPA Strategic Measurement	DSHW Goal	DSHW Measure
				<p><b>3 permit modification and five temporary authorizations. The Division issued 36 emergency permits. The Division did not commit to completing any closure verifications for this year. The Division committed to completing one permit renewal for EnergySolutions. That commitment was replaced by the renewal of the Pennzoil Post-Closure Permit. The Pennzoil Post-Closure Permit was reissued on September 30, 2014.</b></p>
				<p>d. Conduct periodic analysis of effectiveness of hazardous waste facility closure/post-closure and permitting activities utilizing program tracking information and conducting briefings with staff for ongoing coordination. This will help to identify areas of progress and areas of concern. Updates to future strategies for accomplishing such activities will be made, as necessary, as part of the FY 2014 planning process.  <b>STATUS: Periodic analyses were conducted as needed.</b></p>
GOAL 3: Cleaning up Communities and Advancing Sustainable Development.	Objective 3.2: Preserve Land. Conserve resources and prevent land contamination by reducing waste generation, increasing recycling, and ensuring proper management of waste and petroleum products.	Restore Land. Prepare for and respond to accidental or intentional releases of contaminants and clean up and restore polluted sites.	Corrective Action-	<p>a. Maintain effective hazardous waste corrective action program, including stabilization of environmental releases and cleanup of contaminated waste sites.  <b>STATUS: The Division maintains an effective hazardous waste corrective action program with a trained staff of scientists and engineers. See attached "Resources and Skill Levels" and "Training" documents.</b></p>
				<p>b. Maintain and update, as necessary, facility specific corrective action information (universe identification and status) for hazardous waste facilities subject to corrective action, including site assessment, stabilization (accounting for health and environmental risk control measures), and regular corrective action process activities through staff interaction, correspondence and/or automated data systems (RCRAInfo). For RCRAInfo, all required data elements will be entered by the 20th of the month following the activity.  <b>STATUS: Information usually entered as required. The Division has participated in the RCRAInfo Data Quality Initiative and has made or is working on the data fixes noted.</b></p>

**FY2014 PPA GOALS AND OBJECTIVES  
UDEQ DIVISION OF SOLID AND HAZARDOUS WASTE**

EPA Strategic Goal and Objective		EPA Strategic Measurement	DSHW Goal	DSHW Measure
				<p>c. Provide appropriate hazardous waste corrective action response as dictated by case-by-case specifics, regulatory/statutory requirements, permit conditions, or program priorities. Emphasis is on high priority facilities. Appropriate measures may include initial assessment of all TSDs in the corrective action universe including assessment completed (CA050), determination of the need for an RFI (CA070), and CA universe ranking (CA075)), RFI imposed (CA100), RFI approved (CA200), remedy selection (CA400), CMI construction completed (CA550), and corrective action process completed (CA999/RE).</p> <p><b><i>STATUS: The Division completed 29 CA 200s, 38 CA400s, 50 CA550s and 50 CA999s as follows: Anderson Geneva SWMUs CA550 and CA999-168-2.08-BF-11, 168-2.08-BF-12, 168-2.08-BF-F, 14-2.08-BF-10, 17-2.11-RM-14A, 172-2.11-RM-14B, 24-218-CP-13B, 217-2.18-CP-13D, 205-4.0-4.8 and 26-3.01-MS-24) TEAD-S SWMUs( CA200 - 15, 19, 26, 27, 28 and 29; CA400- 15, 19, 29 and 33; CA550 and CA999- 3, 15, 19, 29, and 33) ATK Bacchus SWMUs (CA200- SP-6, BW-4, BW-5 and BW-9; CA400, CA550 and CA999 - S-2, S-3, S-4, S-5, S-6, S-7A, S-7B, S-8, S-11, S-17, S-20, SP-6, BW-4, BW-5 and BW-9); ATK Promontory SWMUs (CA200, CA400, CA550 and CA999- 192, 230, 235, 279, 281, 282, 283, 284, 320, 321, 322, 326, 357, 373, 417, 419, 444, 503 and 660). The CA400, CA550 and CA999 commitments for 11 SWMUs at Western Zirconium were not achieved due to public comments received on a proposed Site Management Plan. The public requested additional time to develop comments. A second 30-day public comment period was held which pushed achieving the commitments into FY2015.</i></b></p>
				<p>d. Provide appropriate stabilization response as dictated by case-by-case specifics, regulatory/statutory requirements, permit conditions, or program priorities. Emphasis is on high priority facilities. Appropriate measures may include stabilization measures evaluation (CA225), stabilization imposed (CA600), stabilization construction completed (CA650), and stabilization</p>

## FY2014 PPA GOALS AND OBJECTIVES UDEQ DIVISION OF SOLID AND HAZARDOUS WASTE

EPA Strategic Goal and Objective		EPA Strategic Measurement	DSHW Goal	DSHW Measure
				process complete (CA999/ST). <b>STATUS: No commitment made.</b>
				e. Conduct periodic analysis of the effectiveness of hazardous waste corrective action activities and update, as necessary, future strategies for accomplishing such activities as part of the FY 2014 planning process. This analysis may include the following environmental indicators: the number and percentage of handlers subject to corrective action with (1) human exposures under control (CA725), and with (2) migration of contaminated groundwater under control (CA750). The Division will prepare, complete, and submit to EPA Region 8 appropriate documentation of accomplishments of the above indicators. <b>STATUS: No CA725 or CA750 commitments this year. An update on 2020 corrective action was provided to EPA in early October.</b>
				f. In coordination with EPA Region 8, continue to evaluate annually and amend, as necessary, the facility-by-facility multi-year plan for corrective action activities. <b>STATUS: EPA was provided with a 2020 Corrective Action update in October.</b>
GOAL 5: Enforcing Environmental Laws.	Objective 5.1 Enforce Environmental Laws.  Region 8 will continue to support the multimedia Energy Extraction initiative and Regional health care sector initiative. EPA will coordinate with UDEQ prior to commencing any activities related to	By 2015, conduct 105,000 federal inspections and evaluations (5-year cumulative).	Compliance and Enforcement- Evaluate compliance status of solid waste, hazardous waste, and used oil handlers and facilities and foster an ongoing commitment to compliance and environmental protection through on-site inspections and compliance assistance activities.	a. Update hazardous waste inspection universe and develop inspection schedule for FY 2014 by September 30, 2013. The selected universe and schedule will incorporate, as appropriate, state, regional, and national priorities. The selected schedule will also include 20% of the large quantity generator (LQG) universe as determined and agreed to by the Division and EPA using RCRAInfo as of September 1, 2013. The Region will develop its FY2014 Inspection schedule and submit to the Division by October 30, 2013. <b>STATUS: Inspection schedule was developed as required.</b>
				b. Complete targeted inspections by September 30, 2014. <b>STATUS: The Division conducted 127 inspections which exceeded the commitments.</b>
				c. Participate in joint state and federal industry sectors initiatives.

**FY2014 PPA GOALS AND OBJECTIVES  
UDEQ DIVISION OF SOLID AND HAZARDOUS WASTE**

EPA Strategic Goal and Objective	EPA Strategic Measurement	DSHW Goal	DSHW Measure
	these initiatives.		<b><i>STATUS: Division Staff accompanied EPA on inspections identified by federal sector initiatives.</i></b>
			d. Continue implementation of the small quantity generator compliance assistance program in FY 2014. <b><i>STATUS: There were 53 compliance assistance visits conducted.</i></b>
			e. Provide facility specific compliance and enforcement information through the proper and timely entering of program data into automated data systems (RCRAInfo). <b><i>STATUS: The Division issued 14 informal enforcement actions and four formal enforcement actions. In addition, the Division will collect, including Stipulation and Consent Orders that were released for public comment during the reporting year, \$316,510.00 in penalties with \$190,700.00 of that amount being credited for SEPs.</i></b>
			f. Conduct periodic analysis of effectiveness of evaluation activities. This will consist of staff and/or facility contact and data systems reports to note areas of progress and areas of concern. <b><i>STATUS: Reviews conducted as required.</i></b>
			g. Consider economic factors in determining penalties for violations. i. Use EPA economic computer models to assist in evaluation. ii. Use maximum flexibility when negotiating consent agreements to include consideration of financial viability of regulated party. <b><i>STATUS: Economic factors were considered in determining penalties. EPA models and flexibility were used where appropriate.</i></b>
			h. Continue coordination of EPA Region 8's implementation of the CERCLA Offsite Rule (OSR). A regional implementation policy has been established and will serve as the basis for the Region's implementation of the OSR. <b><i>STATUS: The Division coordinated with Region 8 as required.</i></b>



## FY2014 PPA GOALS AND OBJECTIVES

### UDEQ DIVISION OF SOLID AND HAZARDOUS WASTE

EPA Strategic Goal and Objective		EPA Strategic Measurement	DSHW Goal	DSHW Measure
				<p>i. EPA has identified Financial Assurance through the National Program Management Guidance as a priority for FY2014. Coordinate with the Region on financial assurance as appropriate. Should the Region or Headquarters identify a RCRA entity operating in several states with financial assurance compliance issues, EPA reserves the right to pursue compliance or enforcement activities with the identified operator in accordance with the Utah/EPA Enforcement Agreement.</p> <p><b><i>STATUS: The Division coordinated with EPA Region 8 and regularly participated in national financial assurance calls.</i></b></p>
				<p>j. The Region will continue to work with HQ and the State to define the anticipated universe for Mineral Processor and Mining priority inspection.</p> <p><b><i>STATUS: The Division coordinated with Region 8 as required.</i></b></p>
				<p>k. Utah will inspect at least 50% of the active treatment, storage and disposal facilities during FY 2014.</p> <p><b><i>STATUS: Inspections were completed as required. A total of 14 inspections were completed.</i></b></p>
GOAL 3: Cleaning up Communities and Advancing Sustainable Development.	Objective 3.2: Preserve Land. Conserve resources and prevent land contamination by reducing waste generation, increasing recycling, and ensuring proper management of waste and petroleum products.		Environmental Justice- The Division recognizes that incorporation of environmental justice into the RCRA regulatory program is a priority for EPA Region 8. Upon request, EPA will provide the Division access to Geographic Information System (GIS) environmental justice tools; provide information to the Division on environmental justice grants; and share information about any	<p>a. Incorporate, as appropriate, environmental justice information in the administration of the hazardous waste program.</p> <p><b><i>STATUS: The Division considered environmental justice.</i></b></p>

## FY2014 PPA GOALS AND OBJECTIVES UDEQ DIVISION OF SOLID AND HAZARDOUS WASTE

EPA Strategic Goal and Objective		EPA Strategic Measurement	DSHW Goal	DSHW Measure
			available environmental justice resources. The Division may utilize EPA staff and GIS resources, as appropriate, in the implementation of the State hazardous waste program.	
GOAL 3: Cleaning up Communities and Advancing Sustainable Development.	Objective 3.1: Promote Sustainable and Livable Communities. Support sustainable, resilient, and livable communities by working with local, state, tribal, and federal partners to promote smart growth, emergency preparedness and recovery planning, Brownfield redevelopment, and the equitable distribution of environmental benefits.	Promote sustainable communities	State-Based Regulation of Environmental Programs-	1. Develop statutory and regulatory authorities to qualify for continued program authorization. <b>STATUS: The Division completed the rule-making process and addressed EPA concerns for Addendum 13 and 14. The addendums have been submitted to EPA for approval. The Solid and Hazardous Waste Control Board adopted the changes needed to implement the contaminated wipes rule in Utah. The rule was effective 8/15/2014.</b>
				2. Adopt new hazardous waste, solid waste, and used oil rules promulgated by EPA to maintain regulatory equivalency and program authorization. <b>STATUS: The Division is preparing Addendum 15 for submittal to EPA Region 8 for review.</b>
				3. Identify new federal hazardous waste rules promulgated during cluster period ending June 30, 2012 and which require adoption by the Solid and Hazardous Waste Control Board. <b>STATUS: The Solid and Hazardous Waste Control Board adopted the changes needed to implement the contaminated wipes rule in Utah. The rule was effective 8/15/2014.</b>
GOAL 3: Cleaning up Communities and Advancing Sustainable Development.	Objective 3.1: Promote Sustainable and Livable Communities. Support sustainable, resilient, and livable communities by	Promote sustainable communities	Partnership with Federal, State, Local and Tribal Governments-	1. The Environmental Services Delivery Plan (ESDP) delineates roles and responsibilities, joint goals and objectives, and establishes accountability between the Division and local health departments and local governments. Effectiveness of the Environmental Service Delivery Plan in developing a state/local partnership, coordinating delivery of services, and obtaining adequate resources will be evaluated. The Division will improve

## FY2014 PPA GOALS AND OBJECTIVES

### UDEQ DIVISION OF SOLID AND HAZARDOUS WASTE

EPA Strategic Goal and Objective	EPA Strategic Measurement	DSHW Goal	DSHW Measure
	working with local, state, tribal, and federal partners to promote smart growth, emergency preparedness and recovery planning, Brownfield redevelopment, and the equitable distribution of environmental benefits.		<p>the effectiveness and efficiency of statewide delivery of environmental services by strengthening relationships with all levels of government.</p> <p>a. Work with federal, state, local (including local health departments), and tribal governments and provide information to plan for and manage the environmental impacts of growth.  <b>STATUS: The Division coordinated with federal, state and local governments as requested.</b></p> <p>b. Provide technical and non-technical training to local health departments, industry, local governments, or other groups.  <b>STATUS: The Division provided training as requested. The Division also provided online training for used oil and waste tires.</b></p> <p>c. Focus on teamwork and partnership in identifying and resolving problems.  <b>STATUS: The Division focused on teamwork and partnership to solve problems.</b></p> <p>d. Receive and evaluated feedback on success of partnerships.  <b>STATUS: The Division considered feedback from its partners.</b></p> <p>e. Address key problems identified by government partners and develop and implement solutions.  <b>STATUS: The Division worked with its partners to identify problems and develop solutions.</b></p> <p>f. Evaluate effectiveness of the Performance Partnership Agreement in developing a state/federal partnership, coordinating delivery of services, and obtaining adequate resources.  <b>STATUS: The Division is working with EPA to determine if the current one-year PPA should be replaced with a multi-year PPA.</b></p> <p>2. Improve the efficiency of statewide delivery of hazardous waste management services by strengthening</p>

**FY2014 PPA GOALS AND OBJECTIVES  
UDEQ DIVISION OF SOLID AND HAZARDOUS WASTE**

EPA Strategic Goal and Objective		EPA Strategic Measurement	DSHW Goal	DSHW Measure
				relationships with local health departments and EPA.
				<p>a. Identify key hazardous waste management problems and implement a solution in partnership with local health departments, local government, the Division, and EPA. <b>STATUS: Waste management problems and solutions were identified as appropriate.</b></p> <p>b. Provide adequate resources to implement Environmental Service Delivery Plan. <b>STATUS: Adequate resources were provided as necessary.</b></p>
				<p>3. Establish positive relationship between the Division and local health departments.</p> <p>a. Notify local health departments of any Division activities occurring in their areas of jurisdiction. <b>STATUS: Local health departments were notified as appropriate.</b></p> <p>b. Ensure directors of local health departments, or their designee, are copied on correspondence related to the Division activities associated with their area of jurisdiction. <b>STATUS: See response to "a" above.</b></p> <p>c. Meet with each local health department at least annually. <b>STATUS: The Division Director attended the annual meeting with local health departments and the Department of Environmental Quality. The Division also participated in a meeting with the Environmental Health Officers.</b></p>
				<p>4. Inform local governments concerning the Division programs and activities in order to be able to comply with appropriate regulations and plan for future needs.</p> <p>a. Participate, when invited, with local government organizations, at regular seminars and training meetings, as well as respond to individual requests for information. <b>STATUS: The Division participates when invited.</b></p> <p>b. Solicit input from local governments regarding proposed</p>

**FY2014 PPA GOALS AND OBJECTIVES  
UDEQ DIVISION OF SOLID AND HAZARDOUS WASTE**

EPA Strategic Goal and Objective		EPA Strategic Measurement	DSHW Goal	DSHW Measure
				<p>rules which could impact their areas of jurisdiction.  <b>STATUS: Proposed rules affecting local governments are sent to local governments for review prior to publication.</b></p>
				<p>5. Enhance the State/EPA partnership and to ensure the management of a quality hazardous waste program.</p> <p>a. Jointly develop and maintain the MOA, the enforcement agreement, quality assurance plan for environmental data collection, and other operating guidance. In FY 2014, the Division and EPA will review and revise the MOA, if necessary.  <b>STATUS: No revisions were necessary.</b></p> <p>b. Jointly plan and prioritize program goals, objectives and activities which address joint priorities. The Division and EPA will work together on PPA development, program activities and priorities, inspection strategies, planning meetings, program reviews, and national assessments of major program elements.  <b>STATUS: The Division participated with EPA in prioritizing and planning program goals, objectives and activities.</b></p> <p>c. Maintain a high level of coordination and cooperation between state and EPA staff to assure successful and effective administration of the program. Coordination includes evaluation of desirable technical support and targets for joint efforts/work sharing.  <b>STATUS: The Division coordinated with EPA as appropriate.</b></p> <p>d. Maintain frequent/open communication on routine matters, changes in program capability, legislation, and resource levels, emergency situations, and other key activities as described in the MOA. EPA and the Division will hold regular meetings or conduct conference calls, at least quarterly, to share information, identify and solve problems, and engage in short-term planning efforts.  <b>STATUS: Quarterly conference calls were held as needed with the Region.</b></p> <p>e. Jointly identify state training and technical assistance needs. EPA will make training and technical assistance</p>

## FY2014 PPA GOALS AND OBJECTIVES

### UDEQ DIVISION OF SOLID AND HAZARDOUS WASTE

EPA Strategic Goal and Objective		EPA Strategic Measurement	DSHW Goal	DSHW Measure
				<p>available to the state and will work towards improving the capability to provide high quality assistance.</p> <p><b><i>STATUS: When requested, the Region provided training as needed. The Department provides the Division with several opportunities a year for staff training.</i></b></p>

FY 2013 Hazardous Waste Program Commitments for UTAH					
Event	# of Facilities or Units	Achieved by EOY FY2012	FY 2014		
			Committed	Achieved	EOY
Closure Activities (all at unit level)					
Closure Plan Approval (CL360) for LDUs	55	55		0	55
Closure Verification (CL380) for LDUs	55	52		0	52
Closure Plan Approval (CL360) for TSUs	153	149		0	149
Closure Verification (CL380) for TSUs	153	135	0	0	135
Closure Plan Approval (CL360) for CUs	6	6		0	6
Closure Verification (CL380) for CUs	6	3	0	0	3
Closure Plan Approvals Total (LDUs+TSUs+CUs)	214	210		0	210
Closure Verifications Total (LDUs+TSUs+CUs)	214	190		0	190
Permit Activities at GPRA Universe Facilities (all at facility level)					
Permitted Facilities under Approved Controls	2	1		0	1
Permit Renewal due this FY	9	1	1	0	2
Permit Activities Totals				0	
Permit Activities for GPRA Universe Facilities (at unit level)					
Controls in Place for LDUs on Closure Track	2	1		0	1
Controls in Place for LDUs on Operating Track	0	0		0	0
Controls in Place for TSUs on Operating Track	8	8		0	8
Controls in Place for CUs on Operating Track	0	0		0	0

**FY2014 PPA GOALS AND OBJECTIVES**  
**UDEQ DIVISION OF SOLID AND HAZARDOUS WASTE**

<b>Corrective Action Activities at GPRA Universe Facilities</b> <b>(activities are at facility level, unless specified at area level)</b>					
RCRA Facility Assessments (CA050)	24	24		0	24
Overall Facility NCAPS Ranking (CA075)	24	24		0	24
Facility Stabilization Assessment (CA225)	24	23		0	23
Facility Remedy Selection (CA400) (GPRA)	24	13		0	13
<b>Corrective Action Activities at GPRA Universe Facilities</b> <b>(activities are at facility level, unless specified at area level)</b>					
Facility Construction Completion (CA550) (GPRA)	24	12		0	12
Human Health Exposures Controlled (CA725) (GPRA)	24	23		0	23
Groundwater Migration Controlled (CA750) (GPRA)	24	17	0	0	17
RFI Imposed (CA100) (area level)	868	800		0	800
RFI Approved (CA200) (area level)	868	636	15	29	636
Remedy Selection (CA400) (area level)	868	506	43	38	506
Construction Completion (CA550) (area level)	868	376	61	50	376
Corrective Action Completed (CA999) (area level)	868	369	61	50	369

## **FY2014 PPA GOALS AND OBJECTIVES**

### **UDEQ DIVISION OF SOLID AND HAZARDOUS WASTE**

#### **Attachment 1**

#### **State Training Program**

In recognition of the high level of experience the Division staff has in the hazardous waste program, each year staff members continue to receive a mix of professional and leadership development training opportunities. During FY 2014, the following list of professional courses and conferences is representative, but not all inclusive, of those attended by the Division staff:

Tina Mercer attended the 2014 Recycled Rubber Products technology conference in Las Vegas in September 2014

Thomas Ball attended the Advanced Environmental Crimes training in December 2013

Scott Anderson, Don Verbica and Brad Maulding attended the Region 8 Hazardous Waste Directors Meeting in August 2014

ASTSWMO Meetings Scott Anderson, Allan Moore and Don Verbica attended the annual ASTSWMO meeting in Washington DC. Allan Moore and Don Verbica attended the ASTSWMO mid-year meeting in Virginia.

Additionally, the Division continues to provide leadership development training to its staff. This program exists in recognition of the need to prepare future leaders in the various environmental programs. Utah DEQ has developed a leadership development program to meet that need. The following types of courses are part of that ongoing effort:

DEQ 101 is a seminar that provides a brief overview of the roles and responsibilities of each office and division within the department.

Getting Work Done With Others – This course focuses on interpersonal communication, presentation, conflict management, problem solving, team building skills, and cultural and diversity awareness.

Adapting to Change – This course focuses on personal learning styles, visioning, assessing potential, implementing change, using creativity, being resilient, handling stress, and empowering others.

Excellence in Supervision – This course is designed to hone people skills, including resource management, leadership, coaching, managing for diversity, and conflict resolution necessary to be an effective leader.

High Conflict Conversations – This course helps participants develop interpersonal communication skills that will help them deal with conflict and difficult communication situations in a constructive manner.

Leadership Development Course – Participants meet monthly to discuss a variety of topics that are relevant to DEQ. The curriculum is designed to apply many of the competencies related to activities within DEQ. Classes consist of a selected representative from EDO and each of the divisions in DEQ and are mentored by a DEQ senior manager. Participants also complete leadership/employee development classes, independent studies, prepare a brown bag presentation, participate in a rotation through DEQ divisions and offices, and complete a group project. Completion of the program takes two years. New classes begin in January of every year. The tenth class of this program began in January 2013.



## FY2014 PPA GOALS AND OBJECTIVES UDEQ DIVISION OF SOLID AND HAZARDOUS WASTE

### Attachment 2 Resource Levels and Skill Mix

For the 2014 state fiscal year (July 1, 2013 to June 30, 2014) the Division expended \$5,468,200 for its solid and hazardous waste programs. The majority of the funding for the hazardous waste program in Utah comes from state funding sources. For state FY 2014, revenues generated by both hazardous and non-hazardous waste disposal fees account for about 40% of the FY 2014 Division budget. Program funding from EPA was down slightly for FY 2014 at \$733,400, representing 13% of the total program budget. The funding and the FTEs were spread across the primary areas of the Solid and Hazardous Waste Program as follows:

Program Area	\$	% of budget	FTE
P2/Compliance Asst.	\$685,608	13%	6
Safe Waste Mgmt	\$1,265,282	23%	11
Corrective Action	\$1,059,347	19%	10
Inspection, Enforcement	\$1,477,151	27%	13
Administration	\$980,812	18%	8
Total	\$5,190,800	100%	48

The Division operates a mature program with experienced staff. The staff includes engineers (civil, chemical, environmental, mechanical), environmental scientists (geologists, chemists, biologists, geo-hydrologists, hydrologists), risk reviewer, GIS specialist, and PhDs, as well as support staff.

Professional staff has a mix of advanced education with bachelors, masters, and doctoral degrees. Five of the engineers are registered professional engineers and thirty of the geologists are registered professional geologists.

# FY2014 PPA END-OF-YEAR REPORT

## UDEQ DIVISION OF WATER QUALITY

### DWQ

Protect, maintain and enhance the quality of Utah's surface water and ground water to allow appropriate beneficial uses, and protect public health while giving reasonable consideration to economic impacts.

### EPA STRATEGIC GOAL 2: PROTECTING AMERICA'S WATERS.

Protect and restore our waters to ensure that drinking water is safe, and that aquatic ecosystems sustain fish, plants and wildlife, and economic, recreational, and subsistence activities.

## UPDES ENGINEERING/PERMITS

**EPA OBJECTIVE 2.1:** Reduce human exposure to contaminants in drinking water, fish and shellfish, and recreation waters, including source waters.

**EPA OBJECTIVE 2.2:** Protect and Restore Watershed and Aquatic Ecosystems.

Protect the quality of rivers, lakes, streams and wetlands on a watershed basis, and protect urban, coastal, and ocean waters.

Maintain an acceptable UPDES Program per agreement with EPA. The Utah Department of Environmental Quality (DEQ) shall fully implement and enforce its delegated UPDES program (including, as appropriate, general permitting, pretreatment, biosolids, CAFO, and storm water programs) as required by 40 CFR Parts 122-124, 403, 501 and 503, its delegation MOA July 7, 1987, SEA, Inspection Plan, and any other agreements with EPA regarding program implementation. The PPA may specify goals and objectives for activities beyond the base level of performance, but, in no way, should this be interpreted as relief from full implementation of the base program.

DEQ certifies that it has, maintains, and implements an adequate UPDES program including pretreatment, biosolids, CAFO, and storm water in conformance with federal and state laws and regulations and conditions set forth in program authorization (delegation) documents. As long as the DEQ maintains an adequate program, the EPA and the DEQ agree that this Agreement shall remain in effect, except as amended through mutual agreement.

Grant dollars awarded by the EPA may be used by the DWQ UPDES Program to perform core program activities to adequately maintain its UPDES program, even when these activities are not specifically defined by goals, measures, and/or reporting requirements.

Continue to fully implement the ongoing UPDES pretreatment, biosolids, CAFO, and stormwater management programs as per the following "CORE PROGRAM ACTIVITIES", "COMPLIANCE AND ENFORCEMENT ACTIVITIES" and "PERMIT ACTIVITIES".

### **UPDES Core Program Activities**

1. DWQ will report annually the number and percent of facilities that have a discharge requiring an individual permit that:

- (a) are covered by a current UPDES permit (FY 2013 EOY Report, Edith) **(WQ-12)**

**STATUS: 140 Individual permits. Note that Biosolids permits are not included when they are combined with their respective Individual Municipal POTW permit.**

- (b) have expired individual permits (FY 2013 EOY Report, Edith)

**STATUS: As of 9/30/2014, there are currently 33 expired permits, which include 4 Biosolids permits that are also expired due to the corresponding POTW discharge permits as combined.**

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- (c) have applied for, but have not yet been issued an individual permit (FY 2013 EOY Report, Jeff Studenka or John Kennington)

**STATUS: There is one (1) facility that has applied for an individual permit, but not yet received their permit as of 9/30/2014.**

- (d) have individual permits under administrative or judicial appeal (FY 2013 EOY Report, Jeff Studenka or John Kennington)

**STATUS: There is currently one (1) permit under administrative appeal.**

2. Each year, 95% of priority permits and 90% of all permits are issued or reissued within the 5 year statutory time frame. If the number of backlogged permits is greater than 30% at any time, provide an overall permit issuance/backlog reduction plan showing how the State will expeditiously reduce the backlog to 10% upon request from EPA. (FY 2013 EOY Report, Jeff Studenka or John Kennington)

**STATUS: Based upon our entire permit universe, our number of backlogged permits is significantly less than 30% (~11% as of 9/30/2014).**

3. Semiannually indicate the number of storm water sources associated with industrial activity, number of construction sites over one acre, and the number of designated storm water sources (including Municipal Phase I and Phase II) that are covered by a current individual or general UPDES permit or other enforceable mechanism, by April 1, 2013 and October 1, 2013. (Edith or Jeff Studenka)

**STATUS: Completed as per FY14 PPA, which is upon EPA request only.**

4. Involve regulatory agencies and the public as necessary to effectively permit storm water discharges. (Ongoing, Stormwater Coordinators, Jeff Studenka).

- a. The State program is accessible by the public and regulated entities (i.e., contact information and web sites, etc.).
- b. Include EPA in the review process prior to issuing general permits for storm water discharges.
- c. Track storm water general permit coverage and provide data to EPA on regulated agencies consistent with National efforts for data management (ICIS).

**STATUS: Completed and ongoing for a, b, and c above.**

5. Identify in ICIS the following Pretreatment Program statistics:

- a. The number of significant industrial users (SIUs) that discharge to POTWs with approved Pretreatment Programs.

**STATUS: There are 260 SIUs in approved pretreatment programs. This information includes zero discharging SIUs.**

- b. The number of significant industrial users (SIUs) that discharge to POTWs with approved Pretreatment Programs that have adequate control mechanisms implementing applicable pretreatment standards and requirements. (95% coverage is the Regional commitment)

**STATUS: There are 260 SIUs in approved pretreatment programs that are currently permitted. Therefore 100% of SIUs are permitted.**

- c. The number of categorical industrial users (CIUs) that have adequate control mechanisms implementing applicable pretreatment standards and requirements in approved pretreatment programs. (Jen and Edith)

**STATUS: There are 173 CIUs in approved pretreatment programs that are permitted.**

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6. a. Perform inspections on 20% of all approved pretreatment programs.

**STATUS: An inspection was completed at 5 of the 21 approved pretreatment programs.**

- b. Perform audits on 20% of all approved pretreatment programs. (Ongoing Jen)

**STATUS: An audit was completed at 6 of the 20 approved pretreatment programs.**

- c. Provide EPA with the number and percent of local Pretreatment programs that have implemented Pretreatment Streamlining Regulations. (FY 2013 EOY Report Jen)

**STATUS: Eight of the twenty pretreatment programs have approved regulations which includes the required language from streamlining.**

- d. Provide the number of categorical industrial users (CIUs) in non-approved pretreatment programs (FY 2013 EOY Report, Jen)

**STATUS: Currently the State is aware of four CIUs in non-approved pretreatment programs.**

- e. Provide the number of CIUs in non-approved pretreatment programs permitted by the State. (FY 2013 EOY Report, Jen)

**STATUS: Currently the State permits one CIU in a non-approved pretreatment program. Two of the others have been required, by the POTW, to not discharge into the POTW.**

- f. During audits and inspections, review 20% of SIU files for programs with up to 75 SIUs; for those with more than 75 SIUs, 15% of the SIU files will be reviewed.

**STATUS: Completed as required above.**

7. Continue to assist in implementation of the Utah AFO/CAFO Strategy. Specific commitments include:

- a. Subsequent to CAFO rule promulgation develop a new General Permit based on revised CAFO Rules. (Ongoing, Don)

**STATUS: New state CAFO general permit issued in August 1, 2014.**

- b. For all permitted CAFOs if available, enter permit facility data, permit event data, and inspection data into ICIS. Provide EPA with copies of all CAFO inspection reports. (Ongoing, Don)

**STATUS: CAFO Permit event and inspection data are entered into ICIS. Additional permit facility data will be entered when new NOIs & NMPs are received for the new CAFO permit in 2014. Copies of CAFO inspection reports were sent to EPA in FY14.**

- c. Inform EPA of animal feeding operations that are impacting water quality annually (FY 2013 EOY Report, Don).

**STATUS: EPA is informed of AFOs that impact water quality through inspection reports and/or enforcement actions.**

- d. Conduct and/or participate in meetings of the AFO/CAFO committee and maintain critical partnerships with NRCS, UACD, the Farm Bureau and the agricultural community.

**STATUS: Two AFO/CAFO committee meetings were conducted in FY14 with partners from UDAF, NRCS, UACD, Utah Farm Bureau, producers, and other representatives from the agriculture community. Several other meetings of smaller workgroups were also held to discuss the draft state rule, nutrient management planning practices and partnership work agreements as necessary and appropriate.**

- e. EPA will provide CAFO rule development updates, to keep DWQ informed.

**STATUS: EPA R8 provides updates of the CAFO rule as information becomes available.**

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8. Implement the Sewage Sludge (Biosolids) regulations

- a. % and # of UPDES permits that contain biosolids language. (FY 2013 EOY Report)

**STATUS: 100% of the UPDES individual discharge permits for mechanical wastewater treatment plants where biosolids operations are routinely conducted include biosolids permit requirements in the permit (35 permits total).**

- b. Maintain data in the ICIS database.

**STATUS: Completed and Ongoing**

9. Implement the Clean Water Act Action Plan

Utah and EPA will work together to implement the Clean Water Act Action Plan to identify water quality issues of greatest concern for the State, and develop collaborative annual work plans to leverage both Utah and EPA resources to address these issues. This will be accomplished through the Annual State/EPA UPDES Compliance Inspection Plan as approved for each fiscal year with a focus on Major and wet-weather facilities as appropriate.

**STATUS: Ongoing with EPA**

### UPDES Compliance and Enforcement Activities

1. Ensure maintenance of information management systems sufficient to plan, track, assess, and make adjustments to program activities.

- a. Properly enter data into the ICIS data system such that the federally required data fields are current. (Ongoing, Edith)
- b. Provide to the maximum extent practicable the RIDE elements required. This depends on information that is obtainable with the permittee's cooperation and economic restraints. (Ongoing, Edith)
- c. ICIS data is entered accurately which includes permitting, compliance, and enforcement data. (Ongoing, Edith)
- d. DWQ will continue to assess the Watch List on a quarterly basis and coordinate the QNCR with EPA. (Ongoing, Edith)

**STATUS: For a, b, c, & d above, all are current and ongoing within DWQ.**

2. Non Major Facilities Compliance Report.

Continue to report non-major facilities compliance data the same as majors through the ICIS data management system. (Ongoing, Edith)

**STATUS: This is current and ongoing within DWQ.**

3. Coordinate inspection activities among programs and between the State and USEPA. Incorporate targeted USEPA national and regional priority sectors, as agreed upon between DWQ and USEPA. Include those sectors, as agreed upon, when planning IU inspections by DWQ or USEPA. Consider planning inspections to complement timing and focus on watershed efforts. Inspections will be made in accordance with the mutually agreed to Annual State / EPA UPDES Compliance inspection plan, to the extent possible, incorporate the EPA NPDES Compliance and Monitoring Strategy (Oct. 17, 2007) to include details of inspection commitments for both traditional NPDES core programs and wet weather priority areas identified in the EPA strategy. (Ongoing: Lonnie, Mike H.)

- a. Submit draft inspection plan for FY15 by August 1, 2014, and final inspection plan by September 1, 2014 or within 15 of days of receiving EPA's formal comments on the draft plan if EPA comments are received later than August 15, 2014. (Lonnie, Mike H.)

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**STATUS:** *Completed within the EPA timeframes above.*

- b. Track inspections in ICIS. (Ongoing: Edith, Lonnie, Mike H.)

**STATUS:** *This is current and ongoing within DWQ.*

- c. As noted in the inspection plan, DWQ will conduct the following minimum number of inspections during FY14:

UPDES INSPECTION SUMMARY TABLE		
INSPECTION/FACILITY TYPE	NO.	COMMENTS
Major Permittee Facilities - CEI	14	
Minor Permittee Facilities - CEI	14	
Minor Industrial Permittee - RI	20	
Minor Municipal Permittee - RI	12	
Pretreatment (Audit and PCI)	8	5 audits and 5 inspections
Biosolid Program Inspections	6	~20% of permitted facilities
Stormwater Const. Phase 1	62	704 active facilities as of March 2013
Stormwater Const. Phase 2	36	957 active facilities as of March 2013
Stormwater Industrial	60	617 active facilities as of March 2013

**STATUS:** *DWQ completed 21 CEIs at Major Facilities, 18 CEIs at Minor Facilities, 19 RIs at Minor Industrial Facilities, and 15 RIs at Minor Municipal Facilities. DWQ also completed over 62 Stormwater Construction Phase I and over 36 Phase II inspections for a total of 103 inspections combined. 60 Stormwater Industrial inspections were also conducted. Other DWQ inspections completed include 10 Pretreatment and at least 6 Biosolids.*

- d. EPA Region 8 may conduct up to 4 oversight inspections with DWQ in FY14. Additional inspections EPA Region 8 may conduct are included in the agreed to Annual State/EPA UPDES Compliance Inspection Plan.
4. Sanitary Sewer Overflows (SSOs)

- a. Respond to SSO when requested by districts, municipalities and local health departments as requested or if waters of the State are threatened. (Ongoing Jen)

**STATUS:** *Completed and ongoing.*

- b. Continue to inventory (ask questions of) permittees for SSO occurrences and resolutions through the Municipal Wastewater Planning Program (MWPP) questionnaire.

**STATUS:** *Completed and ongoing.*

- c. Submit to EPA Region 8 a report by October 15, 2014, with information for FY 14 that will include:
- i. Number of UPDES inspections at major facilities where SSO information was received. (Jen)

**STATUS:** *Information was collected from 13 major facilities regarding SSO*

- ii. An updated SSO inventory and the causes of the SSOs. (Jen)

**STATUS:** *This has been completed via email to EPA.*

- iii. The number and percent of SSO inspections in priority watersheds (as defined by the State) including the name of the priority watershed.

**STATUS:** *DWQ was not required to inspect a collection system this year, therefore no collection system inspections were completed.*

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- iv The number and type of informal and formal enforcement actions taken in response to SSOs;

**STATUS: Three facilities received formal enforcement via NOVs due to SSOs.**

- v. The percent of enforcement actions in priority watersheds (as defined by the State) for SSO; and

**STATUS: 100% of enforcement actions were in priority watersheds.**

- vi A description of how 20% of the SSOs, that were reported, were addressed.

**STATUS: If a verbal notification was made then a 5-day report was required to be submitted to the DWQ. Of those reports some were determined to be unpreventable and/or corrected quickly by the reporting agency. The others were handled by enforcement actions.**

- d. The State will take enforcement action whenever deemed necessary to protect Waters of the State. SSO enforcement actions will be entered into ICIS NPDES as single event violations. Copies of SSO inspection reports will be provided to EPA. (Ongoing Jen)

**STATUS: Completed and ongoing.**

- e. In order to gain additional information regarding SSOs, and as an additional task during CEI inspections, DWQ will perform an enhanced inquiry with regard to the SSO history of the facility for the preceding year by utilizing an enhanced set of standard questions as developed cooperatively with EPA Region 8. (Ongoing, Mike Herkimer and Lonnie Shull)

**STATUS: Completed and ongoing.**

#### 5. Storm Water

- a. Division personnel will conduct the minimum numbers of stormwater inspections of permitted and unpermitted facilities shown in the "UPDES Inspection Summary Table" in Section 3.c. above. All inspections will be entered into ICIS and copies of inspection reports and enforcement actions will be provided to EPA Region 8. Utah's Annual Inspection Plan will include the industrial sectors that will be focus areas for FY14 as well as any geographic areas targeted for construction inspections (Ongoing, Mike George, and Harry Campbell).

**STATUS: DWQ completed the storm water inspections as listed above in Section 3.c. Inspections are entered in ICIS and copies are sent to EPA.**

- b. Continue implementation of MS4 permits which will ensure adequate sediment control inspections at local construction sites. This should increase the number of overall storm water inspections performed in the state. (Ongoing Rhonda Thiele, Jeanne Riley and Harry Campbell).

**STATUS: Current and ongoing.**

- c. EPA Region 8 will identify the difference between the rough draft Enforcement Management System that the DWQ submitted to EPA and the Enforcement Response Guide. As State resources allow, DWQ will work with EPA Region 8 to develop Utah's Enforcement Response Guide (ERG) to include storm water within a target of 6 months of the issuance of EPA Region 8's final storm water ERG.

**STATUS: Ongoing with EPA.**

- d. DWQ agrees to inspect all new sites, as we become aware of them, associated with a permittee that has been cited in any national enforcement case that Utah has joined after the national consent decree is final. The inspection of such sites will count toward the inspection totals in this PPA.

**STATUS: Ongoing.**

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- e. DWQ will provide EPA with a copy of Utah's current storm water database upon request, either electronically or on CD-ROM. (Edith, Jeff S.)

**STATUS: Completed as per FY14 PPA, upon EPA request only.**

- 6. Assure proper implementation and consistent enforcement of WET requirements in UPDES permits.

- a. Following EPA's review and comment, revise Utah's WET policy and guidelines in order to assure alignment with EPA's national WET policy and/or regulations. Target 120 days following receipt of EPA's final comments. EPA Region 8 will notify DWQ when the EPA comments received are considered final. (Ongoing Mike Herkimer)

**STATUS: A revised WET policy is in the final stages of development. Recent Great Salt Lake permitting issues have caused reconsideration of certain aspects of the policy, delaying it further.**

- b. Enforce UPDES permit WET limits and compliance schedule violations in accordance with the enforcement guidance contained in its February 15, 1991 "Permitting and Enforcement Guidance Document for Whole Effluent Toxicity Control," and any subsequent revisions. (Ongoing Mike Herkimer)

**STATUS: Ongoing.**

- c. Utah will submit as part of their FY2014 EOY report: a list of the facilities which are required to have WET limits or WET monitoring, a list of facilities that have entered into a TIE/TRE during FY14, and a list of any formal enforcement actions which included WET violations, (Mike Herkimer).

**STATUS: DWQ maintains a list of facilities that have WET limits and/or monitoring and has previously provided EPA R8 with this information. Three facilities did a TIE/TRE in response to WET issues in FY14. No enforcements were performed related to WET issues in FY14.**

- 7. Biosolids-Promote the beneficial use of biosolids

- a. Continue to conduct Biosolids inspections as indicated under UPDES Compliance and Enforcement Activities, Part 3c. (Ongoing)
- b. Reissue all biosolids permits which will expire in FY2014 and transition into consolidated permits as needed. (Ongoing)
- c. Submit an End-of-Year report to EPA for the preceding calendar year containing a summary of DWQs actions under their biosolids program. Also include a list of facilities that beneficially reuse biosolids, methods of reuse and the tons reused.

**STATUS: a, b, and c are completed and ongoing.**

- 8. Enforcement Agreement.

- a. EPA will conduct quarterly conference calls with DWQ to discuss the Quarterly Noncompliance Report for major and minor facilities and current and projected enforcement cases to address concerns early in the process.
- b. EPA will identify and provide copies, if possible, of any policy or guidance documents used when evaluating the appropriateness of DWQ's enforcement actions. DWQ agrees to evaluate all violations and determine an appropriate response and take that action.
- c. DWQ will take timely and appropriate enforcement against facilities in Significant Non-compliance.
- d. DWQ understands that EPA Region 8 will continue to participate in and to initiate regional and national enforcement cases, and will promptly inform and discuss with DWQ any national and regional enforcement cases in Utah.
- e. Region 8 agrees to coordinate with and appropriately notify DWQ when it conducts inspections and investigations for regional and national enforcement cases.



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- f. Until State resources become available, EPA will review the DMR-QA results and follow up with facilities. Utah DWQ will be copied on any follow-up.
- g. DWQ will incorporate approved compliance schedules and deadlines into enforcement actions such that these schedules and deadlines are enforceable under the NOV/Order.
- h. In cooperation with DWQ, EPA Region 8 may perform inspections in regional and national priority areas according to national guidance. EPA may conduct inspections and issue enforcement actions as appropriate and will advise, consult with, and coordinate with DWQ prior to such activity.
- i. As State resources allow, DWQ will work with EPA Region 8 to implement the National Wet Weather SNC Policy.

**STATUS: For a thru i above, all are current and ongoing within DWQ & EPA.**

### 9. Concentrated Animal Feeding Operations (CAFOs) (Ongoing Don)

- a. Continue to implement "Utah's Strategy To Address Pollution From Animal Feeding Operations". This will include continuing to submit Utah's annual AFO/CAFO Strategy report to EPA Region 8 by February 28<sup>th</sup> of each year, which is dependent upon continued funding of the agriculture partnerships. If no funding is available for the agriculture partners to complete this report, then a report will not be available for submittal to EPA.

**STATUS: Ongoing. The report was sent to EPA Region 8 in early 2014. Elements of the Utah Strategy have been implemented primarily through work funded by agreements with Utah State University Extension, Utah Farm Bureau, and the Utah Association of Conservation Districts. This effort has not been funded for FY15.**

- b. Maintain an inventory of all permitted CAFOs during FY2014.

**STATUS: The inventory is maintained.**

- c. Inspect at least 20% of the permitted CAFOs during FY2014. This will include, at a minimum, inspection of each permitted CAFO at least once during the life of its 5 year permit period.

**STATUS: Completed**

- d. Inspect at least 20% of any unpermitted large CAFOs only to determine if they are discharging. This will include at a minimum, that each unpermitted large CAFO will be inspected during the next 5 years.

**STATUS: Completed**

- e. All permits, inspections and appropriate enforcement data for permitted CAFOs are entered into ICIS. (hard copies of inspection reports and enforcement actions will be submitted to EPA Region 8).

**STATUS: Completed**

- f. Include in the End-of-Year report for FY2014 (Don):

- i. Total known number of permitted CAFOs in Utah.
- ii. Numbers and percent of permitted CAFOs inspected.
- iii. Number of CAFOs that are determined to be discharging to waters of the State.
- iv. Number of enforcement actions taken against un-permitted facilities and permitted CAFOs, including:
  - Number of Settlement Agreements
  - For each case, any penalty amount assessed and collected
- v. Number of compliance assistance workshops, training sessions, and/or presentations given for AFO/CAFO operators and/or Ag organizations.

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- vi. After rule revision and issuance of the next CAFO permit, Nutrient Management Plans for permitted CAFOs shall be tracked in ICIS.
- vii. For unpermitted CAFOs the number of complaints received.

***STATUS (i-vii): Prior to August 2014, there were 56 permitted CAFOs in Utah. After the re-issuance of the CAFO General Permit on August 1, 2014 and thru September 30, 2014, there were zero permitted CAFOs. A total of 12 permitted CAFO inspections were completed in FY14, which is ~21%. Zero CAFOs were determined to be discharging to waters of the state in FY14. Zero enforcement actions in FY14. At least one presentation was given to Ag producer groups. Beginning in FY15, NMPs will be tracked in ICIS. Zero complaints received in FY14 for unpermitted CAFOS.***

- 10. EPA will determine the number of inspections conducted at midyear (March 31, 2014) and end of year (September 30, 2014) by DWQ in each category above by pulling this information from ICIS. Any inspections, performed on or before March 31, 2014, but which do not appear in ICIS by April 30, 2014, will not be counted in the midyear numbers. Any inspections performed on or before September 30, 2014, but which do not appear in ICIS by October 31, 2014, will not be counted in the end of year numbers.
- 11. EPA Region 8 may propose to inspect, in consultation with the State, certain natural gas operations in Region 8 for compliance with the Clean Water Act.
- 1. Submit to EPA appropriate enforcement documents at appropriate times as follows:
  - a. NOVs as they are mailed to the violator. (Ongoing DWQ Staff)
  - b. A list of all completed enforcement actions including the name of the facility, type of action, penalty amount (if any), and type of facility shall be provided to the EPA with the EOY Report. The EPA may conduct a penalty review of a select number of actions, not to exceed ten. Upon request, DWQ will provide penalty calculations and all necessary background documentation to EPA for the selected enforcement actions, which will mainly focus in priority areas (e.g. cases in priority areas; MS4s, CAFOs, SSOs, and energy extraction). The EPA will provide written comments on any reviewed settlement documents and penalty calculations as part of the EOY Review (Ongoing DWQ Staff)
  - c. SAs for minor permittees and non-wet weather un-permitted facilities are sent to EPA upon request (Ongoing DWQ Staff)

***STATUS: a & c above are completed and ongoing.***

- 13. Federal Facility Inspections
  - a. Region 8 will ask DWQ to conduct single and/or multimedia inspections at federal facility NPDES majors with recurrent effluent violations. Region 8 will conduct these inspections if DWQ does not plan to conduct the inspections. Region 8 will ask authorized states to work with EPA to target federal facilities for multimedia inspections. DWQ will be asked to lead the NPDES portion of a multimedia inspection at the selected federal facility. If DWQ does not want to conduct the inspection, EPA will conduct the inspection in lieu of the State.
  - b. During FY14 , EPA Region 8 may perform inspections at all Federal Facility construction sites that have been awarded contract dollars for site construction, in cooperation with DWQ inspectors.
- 14. 404 Enforcement Actions

EPA Region 8 will take the lead on 404 enforcement actions that have associated 402 violations, except where EPA determines combined cases may not be in the best interest of litigation.

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### UPDES Permit Activities

1. Implement the Phase II Storm Water Program.
  - a. Continue outreach/education activities. (Ongoing, all SW staff)
  - b. Encourage DWQ staff, District Engineers and municipal and county staff to assist with inspections as allowed by time and resource constraints. (Ongoing, all SW staff)

**STATUS: a & b above are current, ongoing efforts.**

  - c. In FY14, DWQ may conduct one Phase I MS4 audit.

**STATUS: No Phase I MS4 audits were conducted in FY14, as all three Phase I MS4s in Utah had recently been audited within the past 3 years..**
  - d. In FY14, DWQ will continue to implement the audit and inspection plan for Phase II MS4s to ensure that compliance determinations for these programs are completed in a reasonable time period as state resources allow. For FY14, a target audit and inspection plan for Phase II MS4s is to conduct 7 total MS4 audits, which is ~10% of the current Phase II MS4 permit universe.

**STATUS: A total of six Phase II MS4 audits were conducted as per the final FY14 Inspection Plan.**
2. Implement the Utah AFO/CAFO strategy.
  - a. Continue to implement the new EPA CAFO rules in Utah within FY 2014, and provide progress on adoption of the 2012 final CAFO rule to EPA as needed. (Ongoing, Don).
  - b. Issue a new CAFO UPDES General permit within six months of promulgation of State rules, (Don).

**STATUS: a & b above are completed and ongoing. The CAFO General Permit was renewed effective August 1, 2014.**
3. Utah Sewer Management Program (USMP)
  - a. Continue to implement a comprehensive state-wide permit program for the planning, operation and maintenance of all public wastewater sewer collection systems. Utah will report to EPA on the status of program implementation in the FY13 End of Year Report. (John Kennington)
4. Reasonable Potential Process
  - a. Utah will continue to implement the process/procedures for RP consistent with 40 CFR 122.44(d). (John Kennington, Mike Herkimer)
5. Priority Permits
  - a. Utah will continue to emphasize the development of permits which appear on the EPA Priority Permits list, specifically targeting the permit issuance commitments for the current fiscal year. (Jeff Studenka, John Kennington)

**STATUS: 3, 4, and 5 above are completed and ongoing.**

### TMDL/WATERSHED

#### **EPA OBJECTIVE 2.2:** Protect and Restore Watershed and Aquatic Ecosystems.

Protect the quality of rivers, lakes, streams and wetlands on a watershed basis, and protect urban, coastal, and ocean waters.

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1. Accomplish an effective program for completion and implementation of TMDLs.
  - a. Complete and track scheduled TMDLs for listed waterbodies according to approved TMDL submission pace. (Semi-annual in May and November, Carl Adams) Any waters listed will comply with EPA guidelines to complete TMDLs within a 13 year time frame. (WQ-8)

According to current estimates of listed waters on the 2010 IR that will result in TMDLs and the requirement to complete TMDLs within 13 years since first listing, an average of 3 TMDLs will need to be completed per year beginning with 2011. The Division anticipates completing 3 waterbody/pollutant combination TMDLs by the end of FY 2014.

**STATUS: Approval for the West Colorado TMDL was received from EPA on June 17, 2014. The West Colorado River TMDL (UT14010005-001, UT14030001-005, UT14030005-004, and UT14030005-003) was established Selenium. Approval for the Echo Reservoir (UT-L-16020101-001) and Rockport Reservoir (UT-L-16020101-002) TMDLs for Total Nitrogen and Total Phosphorus was obtained from EPA on September 16, 2014.**

2. Monitor implementation activities for completed TMDLs on a watershed basis through submission of annual reports by local watershed coordinators on August 31 of each year.

**STATUS: TMDL implementation tracking is ongoing by DWQ TMDL coordinators. Information on implementation activities is provided from several sources including 319 funded Local Watershed Coordinators, partner agencies such as the Utah Dept. of Natural Resources, Utah Dept. of Agriculture and Food, and NRCS' EQIP funding.**

3. Maintain sound fiscal management of contracts by tracking contract amount, expenditures to date and availability of funds to meet contractual obligations via quarterly reports. (Ongoing Carl Adams & Stacy Carroll).

**STATUS: Contract tracking is ongoing. Responsible staff coordinate on a regular basis to ensure sufficient funding to complete required work.**

4. Implement the Watershed Approach to effectively and efficiently support the development and implementation of TMDLs in Utah for impaired waters according to the approved 303(d) list (Watershed Protection Section).

**STATUS: Section Staff are actively implementing the watershed approach throughout the State in support of TMDL implementation and development activities. Focus areas for TMDL implementation in 2014 took place in the Jordan / Utah Lake Watershed Management Unit (WMU). The targeted basin for 2015 is in the Colorado River WMU. Current focus areas for TMDL development include Huntington Creek and Ninemile Creek.**

5. Continue to implement the Nonpoint Source Program based on strong State and local institutional capabilities using the Watershed Approach in support of TMDL development (Jim Bowcutt).

### **Measures:**

- a. Conduct a comprehensive NPS program review preceding the update of the NPS Management Plan every five years beginning 2018. The next comprehensive review is not due until 2017. (NPS Plan Task 16)
- b. Update GRTS annually by entering annual progress report information according to December 31<sup>st</sup> deadlines. (NPS Plan Task 14)

**STATUS: This task is ongoing and on schedule. The GRTS entry is being performed by DWQ's NPS Coordinator.**

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- c. Submit NPS Annual Report by January 31 of each year. (NPS Plan Task 15)

**STATUS: This task is ongoing and on schedule. Highlights from The NPS Annual report will be included in DEQ's State of the Environmental Report provided to local and state policy makers.**

- d. Foster program integration and interagency technical and financial assistance through participation on statewide partnership committees including: The Water Quality Task Force, the State Technical Advisory Committee, and the Utah Conservation Commission. (NPS Plan Task 32)

**STATUS: This task is ongoing. Quarterly Task Force meetings were held in 2014, and DWQ representation was present at each State Technical Advisory Committee meeting and Conservation Commission meeting, including several presentations on Utah's NPS and TMDL programs.**

- e. Obtain 319 project final reports from project sponsors and coordinate with EPA to obtain concurrence for grant closure in a 5 year time frame.

**STATUS: Closure of the FY-08 NPS grant was completed, and the process of closing the FY-09 funds has begun.**

- f. Implement best management practices appropriately and effectively and achieve natural resource improvements for 319 NPS Watershed Projects. Obtain available information of reductions in nonpoint source loadings for sediments, nitrogen and phosphorus, and improvements in water quality. Report load reduction and water quality information in project annual reports (GRTS), project final reports and NPS Program annual report. (WQ9)

**STATUS: This task is ongoing. Information is included in project final reports, in annual project evaluation reports, reported in the GRTS database and summarized in the NPS Program Annual Report.**

- g. Number of watershed-based plans and water miles or acres covered, supported under State NPS Management Programs since beginning of FY-2002 that have been developed and number of watershed-based plans are being implemented per information reported in GRTS. (WQ-27)

**STATUS: For FY-2014 a watershed based plan for the Jordan River / Utah Lake watershed management unit was completed resulting in a total of 22 watershed based/TMDL Plans. Planning efforts are expected to be completed in the Southeast Colorado River watershed management unit by early 2015.**

- h. Report the number of waterbodies identified (in 2000 or subsequent years) as being primarily nonpoint source (NPS)-impaired that are partially or fully restored. Target for FY-2014 is 1 watershed (Cub River). (WQ10)

**STATUS: A success story has been submitted for the Cub River. Although significant water quality improvements have been documented it was not re-assessed in the 2014 IR and therefore remains listed as impaired.**

- i. Report the number of priority NPS watershed areas where USDA EQIP funds are used to implement conservation projects. Report allocation of EQIP funds to 303(d) waters and approved TMDL watersheds.

**STATUS: These data have been requested from NRCS and will be reported in the 2014 NPS Program Annual Report. In 2014 Water Quality Initiative funding was allocated to the Main Creek / Wallsburg watershed.**

- j. Report the number of priority watershed coordinator positions developed and functioning according to DWQ contract work plans.

**STATUS: Eight local watershed coordinator positions are in place and functioning with contracts with DWQ. Two of these positions, the Jordan River and Middle Sevier coordinators are funded as part time / work share positions in cooperation with the local sponsoring agency. The remaining**

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*coordinator positions in the Middle/Lower Bear River, Upper Weber River, Uinta Basin, San Pitch River, Upper Sevier River and Upper Virgin River/Cedar Beaver watersheds are funded as full time positions.*

6. Outline milestones for a TMDL Long Term Vision Plan through engagement of internal staff and key partners and discuss with EPA via teleconference by September 15, 2014. (Carl Adams)

***STATUS: DWQ management and staff have discussed via teleconference and in person with engagement efforts on the TMDL Long Term Vision Plan. In 2014 presentations on Vision elements were made to the State Technical Advisory Committee, Water Quality Task Force and Salt Lake County Watershed Symposium.***

### GROUND WATER PROTECTION

**EPA OBJECTIVE 2.1:** Reduce human exposure to contaminants in drinking water, fish and shellfish, and recreation waters, including source waters.

1. Maintain an effective 1422 Underground Injection Control Program per agreement with the EPA. The Utah Department of Environmental Quality, Division of Water Quality (Utah DWQ) certifies that it maintains and implements an adequate Underground Injection Control (UIC) Program under Section 1422 of the Safe Drinking Water Act (1422 UIC Program) in conformance with federal and state laws, regulations, and conditions set forth in program authorization (delegation) documents. As long as the Utah DWQ maintains a 1422 UIC Program, the Regional Administrator of the United States Environmental Protection Agency (USEPA) Region 8 and the Director of the Utah DWQ agree this Agreement shall remain in effect, except as amended through mutual agreement. Grant dollars awarded by the USEPA may be used by the Utah DWQ to perform core program activities (40 CFR Parts 144 and 147) to adequately maintain its 1422 UIC Program, even when these activities are not specifically defined by goals, measures, and/or reporting requirements. The Utah DWQ agrees to conduct core program activities as described in and as evidenced by the submittal of the UIC Program reports itemized in Table I.

2. The USEPA agrees to provide the following support to the Utah 1422 UIC Program:

- a. One annual midyear review of Utah 1422 UIC Program.

***STATUS: Conducted on April 7, 2014***

- b. Technical training, as appropriate and as funds allow.

***STATUS: No training requested of EPA; none provided.***

- c. Seventy-five percent (maximum) of funds necessary to operate the core State 1422 UIC Program, assuming a federal budget funding level near or equal to the past three years. Should funding levels drop significantly, USEPA will review core program elements and provide appropriate revisions.

3. To protect Underground Sources of Drinking Water (USDWs) from contamination by maintaining and implementing an effective core program, the DWQ 1422 UIC Program agrees to

- a. Evaluation of core program effectiveness, reported in the annual narrative program report to the Administrator. (See Table 1 for specific reporting dates – Annual Narratives – Candace Cady).

***STATUS: The UIC Annual Program Narrative was sent to Jason Deardorff on November 6, 2014.***

- b. Enforce the 1999 Class V Rule regarding motor vehicle waste disposal wells (MVWDWs) and large capacity cesspools (LCCs). MVWDWs and LCCs are closed as they are

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identified. Priority is given to identifying these wells within groundwater-based source water protection zones as delineated by the Utah Division of Drinking Water, Source Water Protection Program. Annual Narratives for details. (Ongoing, Candace Cady)

**STATUS:** *As we identify MVWD Wells, we work with the operator to close them. EPA can determine the number identified and closed in Utah by running a query on the National UIC Database.*

- c. Identify and report the number and percent of Class I injection wells that are used to inject industrial, municipal, or hazardous waste wells that fail mechanical integrity and maximize the number that are returned to compliance within 180 days, thereby reducing the potential to endanger USDWs.
- d. Identify and report the number and percent of Class I injection wells that are used to inject industrial, municipal, or hazardous waste wells that fail mechanical integrity and maximize the number that are returned to compliance within 180 days, thereby reducing the potential to endanger USDWs.  
Report:

Number that lose mechanical integrity.

Number that lose mechanical integrity that are returned to compliance within 180 days, expressed as numerator over denominator.

**STATUS:** *Utah has no Class I injection wells.*

- e. Identify and report the number and percent of Class III injection wells that are used for salt solution mining that lose mechanical integrity and maximize the number that are returned to compliance within 180 days, thereby reducing the potential to endanger USDWs.  
  
Report:  
Number that lose mechanical integrity.  
Number that lose mechanical integrity that are returned to compliance within 180 days, expressed as numerator over denominator.

**STATUS:** *EPA can determine these metrics for Utah by running a query on the National UIC Database.*

- f. Identify and report the number of Class V motor vehicle waste disposal (MVWD) wells and large capacity cesspools that are closed or permitted in sensitive ground water protection areas\* and maximize the number that are closed or permitted thereby reducing the potential to endanger underground sources of drinking water.

Report:

Number of Class V motor vehicle waste disposal (MVWD) wells and large capacity cesspools in sensitive ground water protection areas that have been identified, and the number closed or permitted in FY14 reporting period.

Although Utah has not formally delineated "other sensitive ground water areas" throughout the state as defined by the December 7, 1999 final rule, the 1422 UIC Program will continue to prioritize the identification, reporting, and return-to-compliance of MVWDW and other high priority wells within Source Water Protection Zones and other areas, although not formally delineated, where risk to human health and vulnerability to ground water contamination is recognized.

**STATUS:** *EPA can determine the number identified and closed in Utah by running a query on the National UIC Database.*

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- g. Ensure Utah UIC Program monitoring activities are performed according to the EPA-approved Utah DWQ Quality Assurance Plan.
- 4. To encourage responsible environmental behavior and promote excellence in environmental quality through environmental education, community-based partnerships and qualitative and quantitative feedback from regulated and non-regulated customers.

***STATUS: The details of presentations and other outreach activities were given in the Annual Program Narrative submitted to Jason Deardorff on November 6, 2014.***

- a. Description of presentations to local government groups, local health departments, public works departments, private sector groups, civil groups, etc. which include UIC concerns and opportunity for feedback. (See Table 1 for specific reporting dates - Annual Narrative – Candace Cady).
- b. Description of all outreach activities intended to inform local government groups, local health departments, public works departments, private sector groups, civil groups, etc. about the 1999 Class V rule regarding the closure of motor vehicle waste disposal wells (MVWDWs) and large capacity cesspools (LCCs). (See Annual Narrative – Candace Cady).
- 5. Electronic Submittal to the National UIC Database  
***STATUS: Submittals of the Utah 1422 UIC Geodatabase to the National UIC Database were made on April 8 and November 4.***
- 6. Utah DWQ currently maintains the 1422 UIC Program's geodatabase with ArcGIS Desktop 10.1. All reporting elements previously submitted on the 7520 forms and the online PAM tool will now be submitted semi-annually (per email from Beth Hall – EPA HQ- on July 11, 2013) through electronic submittal of the Utah UIC Geodatabase to the National UIC Database. In a memo dated 16 May 2012, USEPA Region 8 acknowledged the Utah 1422 UIC Program's successful transition from traditional reporting to electronic reporting. The memo stated that '[t]he Utah UIC program no longer has to separately submit: the five annual, semiannual and quarterly 7520 summary reports; the annual and quarterly Program Activity Measures reports and the annual inventory reporting.'

**Table 1 - UIC FY14 Reporting Requirements\***

<u>Due Date</u>	<u>Reporting Cycle</u>	<u>Report Required</u>
May 15	Semi-Annual	Electronic submittal to UIC National Database for First and Second Federal Fiscal Year Quarters (October 1 through March 31) Submittal made on April 8
November 15	Annual	Electronic submittal to UIC National Database for First, Second, Third, and Fourth Federal Fiscal Year Quarters (October 1 through September 30) Submittal made on November 4  Annual Narrative Submittal made on November 6.
December 31	Annual	Final Financial Status Report (FSR)



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7. Continue administration of a comprehensive ground water protection program according to priorities established in Utah Ground Water Protection Strategy and the annual FY14 Division of Water Quality/Goals and Objectives.

#### Measures:

- a. End-of-year report as required by EPA grant on achievement of FY14 DWQ/Ground Water Program Goals and Objectives. (Dan Hall due 9-1-14)
- b. Continue participation in the Ground Water Protection Council National Ground Water Strategy Committee with EPA Headquarters, Regions, and States. The intent is to help EPA develop a national strategy for refocusing EPA and States efforts on ground-water protection. (Ongoing)

## WATER QUALITY MANAGEMENT

**EPA OBJECTIVE 2.1:** Reduce human exposure to contaminants in drinking water, fish and shellfish, and recreation waters, including sources waters.

**EPA OBJECTIVE 2.2:** Protect and Restore Watershed and Aquatic Ecosystems. Protect the quality of rivers, lakes, streams and wetlands on a watershed basis, and protect urban, coastal, and ocean waters.

1. Implement an assessment program for the water of the State through development and submission of the *Integrated Report* (IR).

#### Measures:

- a. Submit the 2012/2014 IR to EPA for comment, review and approval of the §303(d) list of impaired waters.
- b. Report the number of waterbodies identified in 2002 (baseline) as not attaining water quality standards where standards are now fully attained. (cumulative) **(SP-10)**
- c. Report the specific causes of waterbody impairment identified by state in 2002 (baseline). (cumulative) **(SP-11)**
- d. Update the EPA Assessment Database, with modified assessment results from the 2012/2014 IR
- e. For the 2012/2014 IR work with EPA to modify all sources in ADB to “unknown”, so DWQ can populate the “unknown” fields with source information after a TMDL is completed.
- f. Report all statewide findings derived from randomly selected sites, using EPA’s Statistical Survey Web Data Entry Tool.
- g. In collaboration with EPA, develop a plan for modifying analytical methods and reporting for the 2016 IR. In particular, this plan will emphasize: revisions to assessment methods, better integration of the 305(b) report and 303(d) list with the ADB and Statistical Survey Web Data Entry Tool, and edits to the text of reports to more effectively convey WQ status and concerns to our stakeholders.
- h. Revise assessment methods to: 1) accommodate DWQ’s newly adopted tiered monitoring strategy and rotating basin schedule and 2) to more accurately assess biological uses support of Utah’s reservoirs. Document these assessment method changes and submit them for formal public comment.
- i. Develop and implement, to the extent practicable, a more consistent nomenclature and numbering system (i.e. HUC 10 and NHD+) for linking Assessment Units (AUs) with designated uses, water quality standards, and completed TMDLs. Update the ADB with any modifications to AU uses.
- j. Continue to develop more effective and transparent methods for tracking and documenting assessment analyses and results for the 2012/2014 and 2016IR. This includes developing: methods and tools to clean and format IR data, a database to store IR data, and tools to automate IR analyses.
- k. Assess all readily available data for the 2012/2014 IR.

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- l. Continue to revise the methodology and analysis tools for Targeted Monitoring.
- m. Research and develop, to the extent possible, a methodology for assessing high resolution (e.g., long-term time series) data.

**STATUS: Completed a 2012-14 Integrated Report which underwent public review and is in final approval process by EPA. The report includes an assessment of Targeted Monitoring Data, Division of Oil Gas and Mining data, and publicly submitted data as well as a statewide (305b) assessment using DWQ and EPA probabilistic survey results. Improvements to assessment methods, targeted monitoring and data management are ongoing.**

- 2. Maintain Water Quality Standards as the basis for effective water quality management and assessment programs.

#### **Measures:**

- a. Continue to compile a list of potential water quality standards revisions to be included in the upcoming triennial reviews, including: further antidegradation revisions, nutrient criteria (see *Water Quality Management*, Section 4), and appropriate modifications to Great Salt Lake standards (see *Water Quality Management*, Section 3). (WQ3 & WQ4)

**STATUS: The list of potential water quality standards revisions was maintained and modified in 2014. The 2013 Triennial Review was completed this year. Progress was also made on developing numeric criteria for Great Salt Lake including work by DWQ contractors developing methods for bioassays for brine shrimp and brine flies, initiation of a laboratory round robin study using high saline water as the matrix, and an interim guidance for UPDES permitting for Great Salt Lake was prepared. This guidance describes recommended methodologies for ensuring the uses are protected and discharges comply with Narrative Standards.**

- b. Revise Utah's nutrient (TN and TP) reduction strategy, including a plan for the development and implementation of nutrient criteria. (WQ-1c)

**STATUS: DWQ is moving forward with the development and application of several nutrient reduction program elements. Proposed TN and TP headwater criteria are anticipated in the next few months. A technology-based effluent limit for TP has been proposed and DWQ will seek Water Quality Board approval in December. Plans are in development for third party optimization recommendations for TN reductions from Publically Owned Treatment Works (POTWs).**

- c. Continue to meet with Utah's Nutrient Stakeholder Workgroups on outreach efforts in support of Utah's nutrient reduction strategy. (WQ-1c)

**STATUS: Utah continues work on outreach efforts. Regular meetings occur with industrial and NGO leaders who sit on Utah's Core Nutrient Team. A related Technical Team has recently completed a review of a document that provides the technical basis for headwater criteria and ongoing monitoring and assessment efforts. Additional dialogue has occurred with several important stakeholder groups including the League of Cities and Towns and the Utah Manufacturing Association. DWQ has given over 15 public presentations on various aspects of our Nutrient Reduction Program. A website ([www.nutrients.utah.gov](http://www.nutrients.utah.gov)) specific to these water quality programs continues to be updated on a regular basis.**

- d. Continue to collaborate with the water quality standards workgroup(s) of stakeholders and partners on continued WQS revisions.

**STATUS: The water quality standards workgroup met twice in 2014 to discuss potential revisions to standards.**

- e. Develop and publicize a plan for the adoption and implementation of the EPA recommended methyl mercury criterion.

**STATUS: A plan for adoption of the methyl mercury criteria was deferred in favor of determining implementation and adoption of the new 2013 ammonia criteria.**

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- f. Continue to work with EPA and other interested stakeholders on revisions to Utah's antidegradation procedures, particularly with regard to their use in association with general permits and procedures for categorical protection of waterbodies.

**STATUS: Ongoing**

- g. Develop standards and associated guidance for the utilization of variances with UPDES and other permitting programs.

**STATUS: Priority and resources were devoted to developing an implementation plan for the new 2013 Ammonia criteria. A variance policy is scheduled to be developed in the following year.**

- h. Initiate 2014 Triennial Review.

**STATUS: The 2014 Triennial Review was initiated and completed. Potential revisions to the standards were identified and prioritized during the review. These revisions will be addressed as resources become available in order of priority.**

3. Development of rules, policies, and procedures to ensure protection of Great Salt Lake and its surrounding wetlands.

#### Measures

- a. Ongoing synoptic sampling and data QA/QC reviews.

**STATUS: The Quality Assurance Program Plan (QAPP) for the GSL Baseline Sampling Plan (GSLBSP) was finalized in August, 2014. A Data Validation Report was submitted for the 2011 and 2012 GSLBSP Metals Data. Data Verification for the 2013 data was conducted per the QAPP requirements. DWQ was unable to secure a laboratory in 2014 due to state procurement issues. No sampling took place in 2014. These issues will be resolved when the GSL laboratory round robin is finalized in March, 2015.**

- b. Continue numerous efforts to encourage collaboration among DWQ's sister State and Federal agencies with related management responsibilities for GSL.

**STATUS: DWQ is an active partner in GSL related activities including regular attendance at the following meetings/conferences: Division of Forestry, Fire and State Lands GSL Technical Team, Division of Wildlife Resources GSL Ecosystem Program Technical Advisory Group, legislative GSL Advisory Council, and the GSL Alliance. In addition, DWQ has actively coordinated and collaborated with governmental agencies for permitting responsibilities.**

- c. Initiate bioassays in support of numeric criteria development.

**STATUS: DWQ has contracted with researchers from Notre Dame and North Carolina State Universities to conduct the toxicological testing of brine shrimp and brine flies. In cooperation with an EPA workgroup, 2014 was spent developing the appropriate methods to conduct the acute toxicity tests. Testing will commence once the GSL laboratory round robin is finalized.**

- d. Initiate laboratory round robin investigations.

**STATUS: Five laboratories were chosen through a multi-step bid process to participate in the GSL laboratory round robin. DWQ is working with the contract laboratory to alleviate issues encountered when manufacturing a standard hypersaline matrix for the certified samples.**

- e. Finalize the pollutant prioritization scheme that is currently out for public review.

**STATUS: Complete. The final report is posted**

**<http://www.deq.utah.gov/locations/G/greatsaltlake/gslnumericcriteria/docs/2014/05May/ProposedPrioritizationofPollutantsforBioassaysforGreatSaltLake07112013.pdf>**

- f. Continue to collaborate with EPA on the 401 certification for Great Salt Lake Minerals.

**STATUS: In progress.**

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- g. As resources allow, continue to develop and implement monitoring and assessment methods for GSL wetlands, including: analysis of the recently completed 50-site collection effort, development of fringe wetland SOPs, and ongoing planning for the construction of experimental wetlands.

**STATUS: All of the above tasks are complete and are reported as part of the 2010 Wetland Program Development Grant Final Report.**

- h. Modify Utah's Water Quality Standards whenever appropriate to accommodate ongoing development of water quality programs for GSL.

**STATUS: No modification of Utah Water Quality Standards for GSL have been made yet. Interim process documents (Interim Methods for Evaluating Use Support for GSL UPDES Permits, and Pollutant Prioritization for Toxicological Testing) were public noticed and were revised in response to public comment. The Great Salt Lake Water Quality Strategy documents were finalized and formally endorsed by the Utah Water Quality Board (<http://www.deq.utah.gov/locations/G/greatsaltlake/gslstrategy/index.htm>)**

#### 4. Development of numeric nutrient criteria and associated implementation procedures (WQ-1c).

##### Measures:

- a. Continue to develop numeric water quality indicators and/or criteria for phosphorous, nitrogen and algal response (e.g., chl-a, secchi disc measures) with clear ties to aquatic life or recreation uses for lakes/reservoirs. Initiate nutrient-specific monitoring and assessment efforts.

**STATUS: DWQ continues to measure both nutrients and ecological responses and lakes and streams statewide. Revisions to our field methods for benthic algae collections are in revision. A nutrient-specific monitoring and assessment program is in development, which will accompany the package that is submitted to EPA in support of forthcoming TN and TP criteria for headwater streams**

- b. Propose numeric criteria for Utah's headwaters.

**STATUS: A report that provides the underlying technical basis for headwater criteria has recently been completed and reviewed by a technical workgroup. Utah continues to work with EPA on finalization of this report and a proposal for TN and TP criteria. Formal recommendations are anticipated in early 2015.**

- c. Continue to work with a focused stakeholder groups to on the development of nutrient criteria and associated implementation programs.

**STATUS: Utah continues work on outreach efforts. Regular meetings occur with industrial and NGO leaders who sit on Utah's Core Nutrient Team. A related Technical Team has recently completed a review of a document that provides the technical basis for headwater criteria and ongoing monitoring and assessment efforts. Additional dialogue has occurred with several important stakeholder groups including the League of Cities and Towns and Utah Manufacturing Association. DWQ has given over 15 public presentations on various aspects of our Nutrient Reduction Program. A website ([www.nutrients.utah.gov](http://www.nutrients.utah.gov)) specific to these water quality programs continues to be updated on a regular basis.**

- d. Develop implementation processes and associated rules (i.e., variance policy, temporary modification) for a comprehensive nutrient reduction program.

**STATUS: Utah is working on several aspects of these rules in concert with an ongoing triennial review of water quality standards. A Technology Based Effluent Limit was recently proposed that limits future TP discharges to 1 mg/l.**

#### 5. Develop and implement a long-term biological assessment program (WQ-3):

- a. Develop an annual biological monitoring strategy that best balances the programmatic needs of stakeholders. Make the list of sites available for review and incorporated into the annual monitoring strategy. (WQ5)

**STATUS: Complete**

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- b. Collect physical habitat, macroinvertebrate, and periphyton samples at ~74 streams annually to provide the data necessary to augment assessment tools and fulfill long-term (trend), natural variability (reference), restoration effectiveness, TMDL, 305(b), and 303(d) assessment needs. (May-October, 2014).

**STATUS: Complete**

- c. Digitize both field and biological data and store in a readily accessible database. Physical habitat database will emulate EPA design currently under construction. Create electronic field form linking collected data to database.

**STATUS: Design has been identified (US BLM- WRSA). Current status is integrating UT data collection format into US BLM- WRSA design.**

- d. Develop modeled MMI from diatom data and integrate into existing aquatic life assessments.

**STATUS: This project is temporarily on hold. UT diatom data are compiled, national metrics have been obtained (although dated), taxa list is mostly current.**

- e. Update invertebrate O/E model based on an expanded reference and water body (streams and rivers) dataset and revise thresholds for application in the 2014 IR.

**STATUS: Complete**

- f. Release RFP for TALU development to develop revisions to improve designated aquatic life beneficial uses.

**STATUS: Project currently on hold. RFP has been developed and waiting managerial implementation.**

- g. Develop assessment methods that better integrate biological and chemical assessment methods to provide an overall assessment of aquatic life beneficial use support for Utah's streams.

**STATUS: Project continually in progress. Both biological and chemical assessment methods have been updated for the 2014 IR.**

- h. Develop outreach materials (i.e., website, fact sheets, reports) to more completely describe Utah's biological assessment program to our stakeholders.

**STATUS: Project continually in progress. Website design and layout has been established.**

### MONITORING

**EPA OBJECTIVE 2.1:** Reduce human exposure to contaminants in drinking water, fish and shellfish, and recreation waters, including sources waters.

**EPA OBJECTIVE 2.2:** Protect and Restore Watershed and Aquatic Ecosystems.

Protect the quality of rivers, lakes, streams and wetlands on a watershed basis, and protect urban, coastal, and ocean waters.

1. Continue phase-in of re-tooled Monitoring Program for Utah Division of Water Quality according to established schedules (WQ-5)

**STATUS: Ongoing (see specifics below)**

2. Conduct Tier 1 (probabilistic), Tier 2 (targeted) and Tier 3 (programmatic) monitoring on a rotating basin schedule

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- a. Tier 1 Monitoring: Probabilistic
  - Assess biological, chemical and physical integrity of waters of Uinta Basin utilizing selected core and supplemental indicators
  - Participate in National Rivers and Streams Assessment (Summer 2013 and 14, Jim, Emily Bartusek Ben Brown)

**STATUS: Completed the 2-year NRSA and Uinta Basin Probabilistic Survey.**

- b. Tier 2 Monitoring: Targeted
  - Complete intensive targeted monitoring in Sevier, Cedar, Beaver Rivers and West Desert basin.

**STATUS: Completed the Targeted Monitoring of the Sevier, Cedar, Beaver Rivers and West Desert Basin**

- c. Tier 3 Monitoring: Programmatic

- 1. Continue to implement a statewide mercury in fish tissue monitoring component as part of the long-term monitoring strategy as funding is available. (John Whitehead, Ongoing)
  - a. Utilize established workgroup to provide guidance and recommendations for the mercury monitoring program. (John Whitehead, Ongoing)
  - b. Participate in the issuing of mercury fish consumption advisories as needed. (John Whitehead Ongoing)
  - c. Participate in triennial review preparations/discussion pertaining to Hg.

**STATUS: Coordinated collection of fish for tissue analysis and preparation for lab in Winter 2014/15**

- 2. TMDL monitoring
  - a. Discharge in large rivers (ongoing)
  - b. Microbial source tracking

**STATUS: Ongoing with additional sites for discharge stabled in the Sevier River Basin.**

- 3. Surface Water Compliance
  - a. Increased DMRs
  - b. Continue to Implement QUAL2K model sampling for permit renewal and wasteload development

**STATUS: Ongoing. Performed several stream studies for QUAL2K model development and wasteload development.**

- 4. NPS Effectiveness Monitoring
  - a. Implement pilot study for Long-term monitoring stations to assess effects watershed restoration, long term trends and climate change

**STATUS: Ongoing. Currently evaluating field methods, equipment requirements and site selection.**

- 5. E. coli cooperative monitoring
  - a. Continue implementation of monitoring program for *E. coli* to facilitate more rigorous assessment of recreational beneficial uses (Jim and Sandy, ongoing)

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**STATUS: Ongoing coordination with local health department, state parks and volunteer monitoring groups to maintain and expand network of E. coli data collection.**

3. Finalize effort to revise, overhaul and implement quality assurance system for water quality division including QAPPs, SOPs, annual monitoring plans, and new documentation requirements for continuous monitoring.
  - a. Finalize and distribute overhauled quality assurance system for water quality division
    1. Final version of Monitoring Program QAPP under review and will be reviewed as per the DEQ Quality Management Plan (Fall 2013)
    2. SOP will be finalized as part of the QAPP review process (Fall 2013)
    3. New documentation requirements for continuous monitoring stations will be developed as part of the scoping and planning of pilot study (Fall 2013)
    4. Develop and web post Annual Monitoring Plan to include schedule, site locations, monitoring activities, responsible entities, and special studies for meeting program objectives in the SMP. (Fall 2013)
  - b. Training in revised SOPs and QAPPs (ongoing)

**STATUS: Completed and approved QAPP for monitoring program. Updated SOPs and published documentation on DWQ website. Ongoing training and revision of SOPs as needed.**

4. Complete development and initiate roll-out of data management tools based on WQX, AQWMS, ATTAINS
  - a. Data management tool roll-out and deployment within water quality division
    1. AWQMS: Ongoing testing and use by partners. Database populated with up-to date datasets and system in place for periodic uploads to WQX (Fall 2013)
  - b. Training

**STATUS: Ongoing update of AWQMS with water quality data and population of WQX.**

5. Integrate monitoring strategy elements to full operating levels, including publication of final monitoring strategy and annual monitoring plan for public comment; ongoing maintenance of cooperative monitoring/statewide monitoring council, and monitoring- related website elements
  - a. Finalize monitoring strategy and place on website for public comment (Fall 2013)
  - b. Continue promotion, chairmanship and support of the Statewide Monitoring Council to facilitate coordination of monitoring activities and special studies by local state and federal agencies as well as researchers and volunteer monitoring groups and provide the following services to members:
    1. Equipment and supplies
    2. Training
    3. Data management
  - c. Maintain water quality monitoring council website

**STATUS: Ongoing. Currently revising SMP to reflect changes in the monitoring strategy for final publication.**

7. Goal: Participate in design, development and implementation of Great Salt Lake short-, mid- and long-term Monitoring Plan
  - a. GSL monitoring plan
    - Collaborate on revision of GSL assessment framework (nutrients, Hg)
    - Probabilistic Survey of fringe wetlands (summer 2014)
    - Conduct selenium monitoring
    - Purchase necessary equipment
    - Plan for and provide additional training

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***STATUS: Completed fringe wetland monitoring in Summer of 2014. Continue to monitoring Bear River Bay for metals.***

### **SPECIAL STUDIES**

1. Continue to chair the Statewide Mercury Work Group. (John Whitehead) (FS-1a)
2. Ongoing data collection on Willard Spur in support of Science Panel and DWQ effort to develop standards for fringe class wetlands.

***STATUS: Completed. Fully implemented the monitoring strategy for Willard Spur and continue to maintain water level and discharge stations.***

### **PLANNING AND DOCUMENTATION**

1. UDEQ will update our monitoring strategy.

***STATUS: Ongoing. Currently revising SMP to reflect changes in the monitoring strategy for final publication.***



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**UDEQ OFFICE OF PLANNING AND PUBLIC AFFAIRS**  
**Pollution Prevention and Stakeholder Involvement**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
Cross-cutting Strategy: Expanding the Conversation on Environmentalism		<b>ENVIRONMENT</b>	
		<b>GOAL #1:</b> Partner with the Department and Divisions in planning and policy initiatives.	
		1. Provide public affairs support for UDEQ initiatives and, on request, to statewide initiatives.	As opportunities arise, UDEQ is represented in meetings and information is coordinated through appropriate Department channels. a. Assistance is provided in developing strategies to identify issues and encourage stakeholder participation. Informational and outreach support is provided. <b>STATUS: PPA and End of Year Reports were coordinated with EPA and submitted. Local Health Department contracts were coordinated and signed.</b>
Goal 4.2 Promote Pollution Prevention	Prevent Pollution and Promote Environmental Stewardship	<b>GOAL #2:</b> Facilitate integration of Pollution Prevention initiatives in UDEQ and throughout the State.	
		<b>Pollution Prevention Objectives:</b>  1. Improve environmental performance through adoption of sustainable practices that can be encouraged through the use of Environmental Management Systems (EMS), showcased through Clean Utah and the P2 Association, and shared with others on UDEQ websites.	a. Number of new Clean Utah participants including the new bronze track, and advancements to Partner or Leader level. <b>STATUS: Growth in Clean Utah has been stagnant. As a result P2 personnel re-evaluated program in 2014. Successful programs in other states were evaluated. The program will be modified in 2015 with a Leadership Council of Member Businesses and an additional networking/promotional meeting added. Significant modifications were modeled after the Colorado Environmental Leadership Program.</b> b. Number of EMS audits completed. <b>STATUS: 5 EMS Audits completed.</b> c. Pollution reductions realized through these efforts in business, industry, or other UDEQ regulated entity. <b>STATUS: Clean Utah Partner Annual Reports included: A total emissions reduction from all projects of 12,773.4 MTCO<sub>2</sub>e with 1,500 MTCO<sub>2</sub>e coming from</b>

**FY2014 PPA END-OF-YEAR REPORT**  
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**Pollution Prevention and Stakeholder Involvement**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p><i>electrical saving listed below calculated using 1.193 lbs CO2 per KWh; Reduced 14 metric tons of NOx through fleet upgrades of buses and 16.95 metric tons through the removal of 2 diesel-powered electrical generators for a total reduction of 30.95 metric tons NOx; Reduced water usage by 4,215,040 million gallons; Reduced electricity by 2,765,336 kWh through lighting retrofits; Reduced 2565 metric tons of solid waste through recycling, and Reported an Economic Benefit of \$743,058 from programs implemented through Clean Utah.</i></p> <p>d. Pollution reductions at UDEQ.  <b>STATUS: DEQ Green Team continues to operate and focus on P2 opportunities including recycling of paper, plastics and metal as well as ink cartridges and glass. Staff participates in annual Clear the Air Challenge. All employees eligible and encouraged to participate in mass transit with Eco Pass through the Utah Transit Authority. DEQ fleet includes hybrids and electrical vehicles where possible.</b></p>
		2. Improve environmental awareness through partnerships with the P2 program and other groups/agencies with similar goals and priorities.	<p>a. Number of new and ongoing partnerships.  <b>STATUS: New and ongoing partnerships included:</b>  <b>New Partnerships: Mountain Regional Water Special Services District, Riverton City Water, Logan City Water, Rural Water Association of Utah, VA Salt Lake City Hospital, Momentum Recycling, and Northrop Grumman Corporation.</b>  <b>Existing Partnerships: Bill Barrett, Crescent Point Energy, Questar, Newfield, QEP, Thunderbird, Holly Frontier Refinery, Big West Oil Refinery, Salt Lake Chamber, StopWaste Organization, North Front Business Resource Center, Reusable Packaging Association, UDOT's TravelWise, 3form Materials</b></p>

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EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p><i>Solutions, Specialty Lens and Horizon Milling, Utah Food Services, Cabinetry by Carmen, Davis Chamber of Commerce, Davis Applied Technology College, Ogden/Weber Chamber of Commerce, National Energy Foundation, Manufacturing Extension Partnership of Utah, Rocky Mountain Power, Clean Cities, Salt Lake City, Salt Lake County, Economic Development Corporation of Utah, Envision Utah, Utah Manufacturers Assn., Intermountain Health Care, University of Utah, Utah Office of Energy, Kennecott Land, Kennecott Utah Copper Operational Services, IM Flash Technologies, Big D Construction, Staker Parson Companies, Swire Coca-cola, Nucor Steel, National Energy Foundation, Utah Chapter of AWWA, Xanterra-Zion Lodge, Utah Transit Authority, Autoliv, Hexcel Corporation, Firestone Building Products, Circle Four Farms, Granite Construction, Red Hanger Cleaners, Weber State University, May Foundry, Tear-a-Part, USANA, Utah Metal</i></p> <p>b. Number of participants in Utah P2 sponsored conferences and workshops.  <b>STATUS: 400 participants at one P2 sponsored event.</b></p> <p>c. Effectiveness of the workshops, measured by evaluation forms.</p> <p>d. Number of P2 Association participants.  <b>STATUS: P2 Associations does not meet formally but group is provided P2 information through email lists.</b></p> <p>e. Number of P2 award nominations received for annual P2 award recognition program.  <b>STATUS: Two nominations were submitted by companies both with strong P2 projects. One nomination was not eligible because of a recent compliance violation from Utah DEQ and the other</b></p>

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EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p><i><b>nomination failed to supply supporting metrics. No awards were given for 2014. Both companies should be able to re-apply in 2015. In recent years other organizations including P3 Utah and awards including the Governor's "Energy Environmental Leader of the Year" result in diverting attention away from the P2 Association and awards.</b></i></p> <p>f. Number of presentations given.  <b>STATUS: Three presentations of Oil and Gas Best Management Practices to 165 participants.</b></p> <p>g. Completion and distribution of EPA P2 measurement tool.  <b>STATUS: Completed Best Management Practices for Oil and Gas Operators (website/pamphlet), Best Management Practices for Automotive Salvage Yards (pamphlet), Best Management Practices at Industrial &amp; Municipal Sites (pamphlet) and a Case Study on Tesoro Refineries use of infrared camera to help identify and repair gas leaks. P2 websites were visited at least 4,988 times (unique users) from October 1, 2013, through September 30, 2014.</b></p>
		3. Encourage Pollution Prevention to Utah citizens through programs that target the reduction and proper disposal of special wastes that can cause human health concerns.	<p>Amount and type of business assistance provided to the oil and gas industry in Uinta Basin  <b>STATUS: As a direct result of P2 Oil and Gas outreach with courtesy IR (Infrared Camera) for LDAR (Leak Detection and Repair) three companies purchased cameras and one company contracted IR leak detection services. Nineteen total Oil and Gas facilities were visited with the IR camera. Five courtesy IR visits to Oil refineries were made but none have purchased a camera to date.</b></p>
		4. Track P2 grant spending and complete midyear and annual grant objectives	<p>a. Grant objectives met.  b. State budget review and planning completed.  c. Positive feedback received from EPA and State grant/finance offices.</p>

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EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<b>STATUS: Grant proposal and annual reports submitted on time meeting the objectives of this grant.</b>
		5. Support the Governor's Utah Clean Air Partnership (UCAIR) initiative by providing resources to implement strategies and providing calculators to measure emission reductions.	a. Assistance provided <b>STATUS: U-CAIR is operating as 501c3 with P2 staff taking a collaborative role only. From January 2014 to June 2014 UCAIRS Air Assist program issued grants totaling \$160,365.36 to 11 small businesses with a calculated emissions reduction for the 11 businesses of 5.9 metric tons VOC's per year.</b>
		<b>GOAL #3:</b> Promote a sustainable relationship between economic development and environmental protection by coordinating work with businesses and related organizations. <b>Business Assistance Objectives:</b> 1. Facilitate UDEQ cross-media business assistance.	a. Businesses making phone or e-mail contact to PPA receive informational assistance. <b>STATUS: Responded to requests for information and assistance through phone calls and email.</b> b. Pre-design meetings are held. <b>STATUS: Conducted six Pre-design Meetings of those two were full Pre-design meetings one involving multiple state agencies. Four smaller partial meetings for business not needing a full Pre-design were conducted as well.</b> c. Cross-divisional, sector specific focus in outreach activities developed and implemented, as appropriate. <b>STATUS: Ongoing as opportunities and issues arise.</b> d. Business assistance Web pages are regularly updated. <b>STATUS: Ongoing.</b> e. Opportunities are taken to encourage consistent business assistance policies within UDEQ. <b>STATUS: Ongoing.</b> f. Regular coordination with GOED, EDCU, business assistance providers, Chambers of Commerce, and

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EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p>professional associations.  <b>STATUS: Routinely coordinates with the Governor's Office of Economic Development, Economic Development Corp of Utah, Utah Manufacturers Association, Chambers of Commerce and numerous other organization in providing resources and assistance. Participates monthly with EDCU Business Development on issue associated with DEQ and impacting new business development. GOED is notified of upcoming Pre-design meetings and invited to attend.</b></p>
		2. Serve as Small Business Ombudsman for UDEQ.	<p>a. Air Quality Small Business Compliance Panel remains active and quarterly meetings are held.  <b>STATUS: Small Business CAP remains active with quarterly meetings and additional email and phone updates. CAP members are specially invited to participate in air quality planning initiatives.</b></p> <p>b. Availability of ombudsman is promoted on website and as part of informational presentations, as appropriate.  <b>STATUS: Information and contacts are provided on appropriate webpages.</b></p> <p>c. Issues brought to ombudsman are appropriately handled.  <b>STATUS: Ongoing as requested.</b></p> <p>d. Opportunities are taken to encourage small business considerations in UDEQ policy development.  <b>STATUS: Tools and resources focused on small business needs. Small businesses are included in air quality planning initiatives to help understand their issues and work with them to design tailored solutions.</b></p> <p>e. Small businesses receive assistance with UDEQ permitting process and other programs as needed.</p>

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EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p><b>STATUS: Ongoing through Pre-design and website and with an online tool, "Permit Wizard" on the DEQ website.</b></p> <p>f. Annual EPA Small Business Assistance Program report is completed.</p> <p><b>STATUS: Annual 507 Report was completed and submitted on time.</b></p>
Cross-cutting Strategy: Expanding the Conversation on Environmentalism		<b>CUSTOMER SERVICE</b>	
		<b>GOAL #4:</b> Provide public information and participation opportunities.	
		<p><b>Public Education Objectives:</b> Design and implement issue-specific campaigns to inform and involve the public.</p>	<p>a. Utilize Facebook, Twitter, and DEQ newsletter. e. UDEQ initiatives are incorporated into external initiatives.</p> <p><b>STATUS: Facebook, Twitter, YouTube and Pinterest are frequently utilized to promote DEQ initiatives and programs. DEQ Blog kicked off April 8, 2014, and addresses environmental issues in the news with weekly posts contributed from DEQ Staff.</b></p>
		<p><b>Stakeholder Involvement Objectives:</b></p> <p>1. On request, prepare and implement stakeholder involvement plans for specific projects and programs.</p>	<p>a. Plans are developed and implemented in conjunction with program or project manager. b. Key stakeholders are involved in the development of plans to ensure concerns are considered.. c. As appropriate, surveys or other feedback tools are used at the conclusion of project to gauge success.</p> <p><b>STATUS: Ongoing. DEQ enlisting stakeholder businesses and partners as well as employees in a Branding Survey to evaluate how DEQ is perceived internally and externally and look at opportunities for improvement.</b></p>

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<b>EPA Goal and Objective</b>	<b>EPA Measurement</b>	<b>UDEQ Goal</b>	<b>UDEQ Measure</b>
Cross-cutting Strategy: Working for Environmental Justice and Children's Health		2. Ensure Environmental Justice (EJ) issues are incorporated into community involvement plans.	b. Assistance is provided to the Divisions, as needed, on EJ questions. <b><i>STATUS: EJ issues are resolved as needed and in coordination with the EPA when they arise.</i></b>
Cross-cutting Strategy: Expanding the Conversation on Environmentalism		<b>Media Relations Objective:</b>  1. Assist PIO with UDEQ media relations. 2. Utilize UDEQ's Web site to proactively highlight issues and keep it current and relevant.	a. PIO back-up is provided. b. UDEQ media policy is followed. c. Opportunities to inform public of issues or programs through the media are actively sought. <b><i>STATUS: Ongoing. OPPA works with webmaster and Divisions to create and update online and hard copy information and outreach materials. OPPA also coordinates with Local Health Departments by attending quarterly PIO meetings.</i></b>



## FY2014 PPA END-OF-YEAR REPORT UDEQ OFFICE OF SUPPORT SERVICES

EPA Goal & Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
Cross-cutting Strategy: Expanding the Conversation on Environmentalism		<b>I. ENVIRONMENT</b> <b>GOAL:</b> Partner with the Department and Divisions in planning and policy initiatives	
		1. Provide planning support for UDEQ initiatives and, on request, to statewide initiatives.	a. Process for completion of FY2014 PPA is successfully coordinated and final document is submitted to EPA. <b>STATUS: PPA was successfully coordinated with EPA counterparts and signed by the Region in October, 2013.</b> b. Process for completion of End-of-Year Report for FY 2013 PPA is coordinated with Divisions and is submitted to EPA. <b>STATUS: End of Year report was completed and submitted to EPA in December, 2013.</b>
Supports all Strategic Goals		<b>II. CUSTOMER SERVICE</b> <b>GOAL:</b> Operate as a customer-oriented agency by focusing on customer service, trust, and problem-solving through teamwork and partnership.	
		<b>Auditor</b> 1. Conduct audits of all major waste disposal fee facilities each year. 2. Be a resource to perform internal audits as assigned by the Audit Committee. 3. Provide financial assurance assistance to Divisions. 4. Receive copies of the monthly waste fee reports and will monitor waste fee payments. 5. Perform an annual review of the DEQ hourly fee for reasonableness.	<b>STATUS: 1. Assigned audits were performed.</b> <b>2. Staffs in training to be a resource.</b> <b>3. Financial assistance was provided to Divisions.</b> <b>4. It was determined this goal is no longer needed.</b> <b>5. An annual review of the DEQ hourly fee was performed.</b> <b>6. GRAMA requests were answered within the time frame.</b>
		<b>Other Services</b> Coordinate all GRAMA requests received and ensure each is answered in the allotted 10-day period of time	
Supports all Strategic Goals		<b>III. STATE-BASED REGULATION OF ENVIRONMENTAL PROGRAMS</b> <b>GOAL:</b> Take an active role to help influence and develop rules and programs that are consistent with and help Utah achieve its needs.	

## FY2014 PPA END-OF-YEAR REPORT UDEQ OFFICE OF SUPPORT SERVICES

	<u><b>OSS</b></u> Continue to provide the financial application for the Performance Partnership Grant.	Complete the grant and all necessary amendments and changes within prescribed due dates. <b>STATUS: Completed.</b>
Cross-cutting Strategy: Strengthening Partnerships	<b>IV. PARTNERSHIP WITH FEDERAL, STATE, LOCAL AND TRIBAL GOVERNMENTS</b>  <b>GOAL:</b> Assist with ensuring effective delivery of environmental services through intergovernmental collaboration.	
	<u><b>Local Health Liaison</b></u>  1. Facilitate strong relationship between UDEQ and the Local Health Departments.	a. Participation in CLEHA, Local Health Officers' Association, Local Boards of Health, and UEHA meetings. <b>STATUS: We attended or participated by phone in CLEHA and Local Health Officer Meetings. Made a presentation and coordinated other DEQ presentations at UEHA meetings. Sent information, when requested, to the Local Boards of Health.</b> b. Process for the one-year contracts is successfully coordinated and completed. <b>STATUS: One year contracts were coordinated and signed by deadline. End of Year reports were received by deadline.</b> d. Partnership meetings are effective and issues raised are tracked and resolved. <b>STATUS: A Partnership meeting was held in January. We worked with local health departments through the year on issues.</b>
Supports all Strategic Goals	<b>V. EMPLOYEES</b> <b>GOAL:</b> Fully utilize our major resource.	
	<u><b>Leadership Training</b></u>	1. Regular leadership-training classes are held.

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	Support UDEQ leadership development initiative.	<p><b><i>STATUS: 143 DEQ employees participated in six leadership trainings in FY2014.</i></b></p> <p>2. Follow-up activities in sections and branches are facilitated, as requested.</p> <p><b><i>STATUS: Follow-up activities were held in several sections.</i></b></p> <p>3. Individual employees are coached, as requested.</p> <p><b><i>STATUS: Coaching provided, on request.</i></b></p>
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